

REED
INSTRUMENTS

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PRODUCT GUIDE

TEST AND MEASURE WITH CONFIDENCE



ELECTRICAL



HVAC



WATER QUALITY



SAFETY



MAINTENANCE



INSPECTION

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R5099 Compact Multimeter with NCV

Features

- Auto-ranging multimeter measures AC/ DC voltage and current, resistance, capacitance, frequency, continuity check and diode test
- Built-in non-contact voltage detector to quickly detect live voltage on electrical circuits
- Cat. III 600V safety rating
- Includes test leads & batteries

Specifications

AC/DC Voltage Range: 4V, 40, 400, 600V
AC/DC Current Range: 400μA, 4, 40, 400mA
Resistance Range: 400Ω, 4, 40, 400kΩ, 4, 40MΩ
Capacitance Range: 50, 500nF, 5, 50, 100μF
Frequency Range: 9.999Hz to 60kHz



R5010 True RMS Digital Multimeter

Features

- True RMS AC/DC voltage and current measurements
- Measures frequency, capacitance and temperature
- 4-20 mA process loop measurements with % readout
- Data hold, Max/Min recording mode
- IP67 rated (dust and waterproof)
- Cat. IV 600V and Cat. III 1000V safety ratings
- Includes temperature input adapter, Type K thermocouple wire probe, test leads, battery & carrying case

Specifications

AC/DC Voltage Range: AC: 400mV, 4, 40, 400, 1000V;
DC: 400mV, 4, 40, 400, 1000V
AC/DC Current Range: 400, 4000μA, 40, 400mA, 10A
Resistance Range: 400Ω, 4, 40, 400kΩ, 4, 40MΩ
Capacitance Range: 40, 400nF, 4, 40, 400, 4000μF, 40mF
Frequency Range: 40, 400Hz, 4, 40, 400kHz, 4, 40, 100MHz
Temperature Range: -58 to 1832°F (-50 to 1000°C)
4-20mA% Range: -25 to 125%

Accessories & Replacement Parts

R1020 Fused Test Lead Set
CP-09 AC Current Adapter



R5077 True RMS Digital Multimeter, AC/DC 1000V

Features

- Measures AC/DC voltage and current, frequency, resistance, capacitance and temperature
- Built-in non-contact voltage detector and rugged double molded plastic housing
- Diode check and continuity functions
- Relative and data hold functions
- Backlit LCD and low battery indicator
- Cat. II 1000V safety rating
- Includes test leads, thermocouple wire probe (type K), batteries

Specifications

AC/DC Voltage Range: 9.999mV, 99.99mV, 999.9mV, 9.999V, 99.99V, 999.9V
AC/DC Current Range: 999.9μA, 999.9mA, 9.999A
Resistance Range: 999.9Ω, 9.999KΩ, 99.99KΩ, 999.9KΩ, 9.999MΩ, 99.99MΩ
Capacitance Range: 9.999nF, 99.99nF, 999.9nF, 9.999μF, 99.99μF, 999.9μF, 9.999mF
Frequency Range: 99.99Hz to 9.999MHz
Temperature Range: -40 to 1832°F (-40 to 1000°C)

Accessories & Replacement Parts

R5400 Line Splitter
R5900 Magnetic Meter Strap
R2990 Thermocouple Adapter
R2920 Surface Thermocouple Probe
R2930 Right Angle Thermocouple Surface Probe
R2940 Air/Gas Thermocouple Probe
R2950 Immersion Thermocouple Probe
R2960 Needle Tip Thermocouple Probe
R1020 Fused Test Lead Set
CP-09 AC Current Adapter



R5005 True RMS Industrial Multimeter with Bluetooth

Features

- AC and DC voltage and current, resistance, capacitance, frequency and duty cycle measurements
- 10MHz frequency counter
- Temperature measurement capability
- True RMS AC voltage and current measurements
- Min/Max/Avg and Peak hold (>1ms) functions
- Store up to 10,000 recorded events
- Log multiple sessions or log data continuously for over 200 hours
- Bluetooth interface
- IP67 rated (dust and waterproof)
- Cat. III 1000V and Cat. IV 600V safety ratings
- Includes test leads, Type K temperature probe, rechargeable battery and software

Specifications

AC/DC Voltage Range: 50, 500mV, 5, 50, 500, 1000V
AC/DC Current Range: 500, 5000μA, 50, 500mA, 10A
Resistance Range: 50, 500Ω, 5, 50, 500kΩ, 5, 50MΩ
Capacitance Range: 5, 50, 500nF, 5, 50, 500μF, 10mF
Frequency Range: 50, 500Hz, 5, 50, 500kHz, 5, 10MHz
Temperature Range: -58 to 1832°F (-50 to 1000°C)

Accessories & Replacement Parts

R1020 Fused Test Lead Set
CP-09 AC Current Adapter



R5020 400A AC Clamp Meter with NCV

Features

- Measures AC current, AC and DC voltage, resistance, capacitance, as well as temperature with included Type K thermocouple probe
- Measures AC current, AC/ DC voltage, resistance, capacitance, frequency, duty cycle and temperature
- 4000-count LCD display with low battery and overrange indicators
- Built-in non-contact voltage detector with LED indicator
- Display hold and relative mode
- Diode test and continuity check functions
- Durable double molded plastic housing
- Cat. III 600V safety rating
- Includes test leads, thermocouple wire probe, thermocouple adapter, batteries and soft carrying case

Specifications

AC Current Range: 40.00, 400.0 A
AC Voltage Range: 4.000, 40.00, 400.0, 600.0V
DC Voltage Range: 400.0mV, 4.000, 40.00, 400.0, 600.0V
Resistance Range: 400.0Ω, 4.000, 40.00, 400.0kΩ, 4.000, 40.00MΩ
Capacitance Range: 40.00, 400.0nF, 4.000, 40.00, 100.0μF
Temperature Range: -4.0 to 1400.0°F (-20.0 to 760.0°C)

Accessories & Replacement Parts

R1020 Fused Test Lead Set



R5030 500A True RMS AC/DC Clamp Meter with NCV

Features

- Measures AC/DC current, AC/DC voltage, resistance, capacitance, frequency, duty cycle & temperature with a type K thermocouple probe
- Non-contact AC voltage detector in clamp tip
- Max/Min, Data hold and Relative functions
- Cat. III 600V safety rating
- Includes test leads, temperature probe, batteries and carrying case

Specifications

AC/DC Current Range: 50.00, 500.0A
AC Voltage Range: 500.00mV, 5.0000, 50.000, 500.00, 750.0V
DC Voltage Range: 500.00mV, 5.0000, 50.000, 500.00, 1000.0
Resistance Range: 500.00Ω, 5.000, 50.000, 500.00kΩ, 5.0000, 50.000MΩ
Frequency Range: 10.000kHz
Capacitance Range: 500.00, 5000.0nF, 50.00, 500.0μF, 5.000mF
Temperature Range: 148.0 to 1832.0°F (-100.0 to 1000.0°C)

Accessories & Replacement Parts

R1020 Fused Test Lead Set



R5040 1000A True RMS AC/DC Clamp Meter with NCV

Features

- Measures AC and DC voltage and current, resistance, capacitance and frequency as well as temperature with the included type K thermocouple probe
- Diode and continuity test with beeper
- Max/Min and Relative (zero) functions
- Cat. III 600V safety rating
- Includes test leads, temperature probe, battery and carrying case

Specifications

AC/DC Current Range: 500.00, 1000.0A
AC Voltage Range: 500.00mV, 5.000, 50.00, 500.0, 750.0V
DC Voltage Range: 500.00mV, 5.000, 50.00, 500.0, 1000.0V
Resistance Range: 500.00Ω, 5.000, 50.00, 500.0kΩ, 5.000, 50.00MΩ
Capacitance Range: 500.00, 5000.0nF, 50.00, 500.0μF, 5.000mF
Frequency Range: 10.000kHz
Temperature Range: -148.0 to 1832.0°F (-100.0 to 1000.0°C)

Accessories & Replacement Parts

R1020 Fused Test Lead Set



R5055 1000A True RMS Digital Clamp Meter

Features

- Full function autoranging digital multimeter includes AC/DC voltage, current, resistance, capacitance, frequency, duty cycle, and contact temperature
- Min/Max, display hold and relative mode
- Built-in non-contact voltage (NCV) detector with LED indicator and contact and built-in LED flashlight
- Low Pass Filter and Low Impedance (LoZ) modes
- 6000-count backlit LCD display and analog bargraph
- Cat. III 1000V and Cat. IV 600V safety ratings
- Includes type K thermocouple, test leads, batteries and carrying case

Specifications

AC/DC Current Range: 6, 600, 1000A
AC Voltage Range: 6, 60, 600, 1000V
DC Voltage Range: 600mV, 6, 60, 600, 1000V
Resistance Range: 600Ω, 6, 60, 600kΩ, 6, 60MΩ
Frequency Range: 10Hz, 1MHz

R5055-KIT True RMS AC/DC Clamp Meter with Flexible Current Probe Kit, 18"

Includes the following

- R5055 TRMS 1000V AC/DC Clamp Meter
- R5065 18" Flexible Current Probe

R5065 3000A Flexible 18" Current Probe

Features

- 18" flexible current probe with large loop size and thin cross section provides access to large conductors in tight spaces
- Expands clamp meter measurement range to 3000A AC
- Durable double molded plastic housing
- Cat. IV 600V safety rating
- Includes BNC adapter and batteries

Specifications

AC/DC Current Range: 30, 300, 3000A





R5075 Professional Clamp Meter, Solar, CATIII, 1500V

Features

- Measures AC/DC current and voltage, resistance, capacitance, frequency, and contact temperature
- High-resolution 9,999-count backlit LCD display
- Dual display allows simultaneous viewing of voltage and current measurements
- True RMS voltage and current for accurate measurements
- Expandable AC current measurement up to 3000A with the flexible current probe (R5065, sold separately)
- Slim jaw design for easy access to cables in crowded combiner boxes, with the capacity to clamp around multiple cables
- Ergonomically designed for a comfortable grip and can be used with protective gloves
- DC power measurement capability with kVA readings
- IP65-rated for reliable performance in dusty or damp outdoor environments, ideal for solar and wind power applications
- Audible and visual polarity indicator to prevent accidental miswiring
- Low Pass Filter (LPF) and inrush measurement capabilities for precise motor and HVAC testing
- Min, Max, Average, Peak capturing and display hold
- Diode test and continuity check functions
- Low battery and over-range indicators
- Cat. III 1500V, Cat. IV 600V safety rating
- Includes thermocouple wire probe (type K), thermocouple adapter, test leads, carrying case, batteries

Specifications

AC/DC Current Range:999.9A

AC/DC Voltage Range:AC: 999.9V, 1500V; DC: 999.9mV, 999.9V, 2500V

Resistance Range: 999.9 Ω , 9.999K Ω , 99.99K Ω

Capacitance Range: 100 μ F, 1000 μ F

Frequency Range: 5.0Hz to 999.9Hz

Low Pass Filter (LPF) AC Voltage Range: 999.9V

Low Pass Filter (LPF) AC Current Range: 999.9A

Accessories & Replacement Parts

R5400 Line Splitter

R5900 Magnetic Meter Strap

R2990 Thermocouple Adapter

R2920 Surface Thermocouple Probe

R2930 Right Angle Thermocouple Surface Probe

R2940 Air/Gas Thermocouple Probe

R2950 Immersion Thermocouple Probe

R2960 Needle Tip Thermocouple Probe

R1020 Fused Test Lead Set

R1000 Safety Test Lead Set

CA-05A Medium Soft Carrying Case

R5075-KIT Solar Clamp Meter Kit with 18" Flexible Current Probe

Includes the following

- R5075 Professional Clamp Meter
- R5065 Flexible Current Probe



R5710 Clamp-On Ground Resistance Tester

Features

- Auto-ranging ground resistance and leakage current measurements 0.001 Ω resolution for low resistance measurements 9999-count EBTN display
- Internal memory stores up to 300 readings
- User adjustable alarms
- Data hold function
- Durable double molded conductor clamp
- 1.26" (32mm) jaw size for large ground rods
- Low battery indicator and auto shut-off
- Cat. III 300V safety rating
- Includes resistance calibration loop (1 Ω and 10 Ω), hard carrying case, batteries

Specifications

Ground Resistance Ranges: 0.010 to 0.099 Ω , 0.10 to 0.99 Ω , 1.0 to 49.9 Ω , 50.0 to 99.5 Ω , 100 to 199 Ω , 200 to 395 Ω , 400 to 590 Ω , 600 to 880 Ω , 900 to 1200 Ω

Current Ranges: 0 to 9mA, 10 to 99mA, 100 to 299mA, 0.30 to 2.99A, 3 to 9.9A, 10 to 20A



R5720 AC Leakage Clamp Meter

Features

- Measures AC current from 6mA to 100A
- 6000 count backlit LCD display
- 1.26" (32mm) jaw size opening
- True RMS AC measurements
- Built-in LED flashlight
- Low battery and over range indicators
- Cat. III 300V
- Includes carrying case, batteries

Accessories & Replacement Parts

R1020 Fused Test Lead Set

Specifications

AC TRMS Current Range: 100.0 A, 60.00 A, 6.000 A, 600.0 mA, 60.00 mA, 6.000 mA

AC TRMS Current with Low Pass Filter (LPF) Range: 100.0 A, 60.00 A, 6.000 A, 600.0 mA, 60.00 mA, 6.000 mA



R5015 True RMS Mini Clamp Meter, 60A AC/DC

Features

- 10 μ A resolution
- Max/Min and Data hold
- Overload protection
- Cat. II 600V and Cat. III 300V safety ratings
- Includes test leads, batteries and soft carrying case

Specifications

Current Range: 40mA to 100A AC

Voltage Range: 400VAC

Resistance Range: 40 to 400 Ω

Continuity Test: 40 Ω threshold, beeper at 2.5kHz

Accessories & Replacement Parts

R1020 Fused Test Lead Set



R5600 Insulation Tester

Features

- Test voltage combinations: 250V, 500V or 1000V
- 1mA test current for M Ω range at rated voltage
- 200mA test current for continuity range
- Continuity test with beeper
- Data hold switch
- Test button may be locked on for hands-free operation
- Cat. III 1000V safety rating
- Includes test leads, batteries and hard carrying case

Specifications

Test Voltages: 250V, 500V, 1000V

Insulation Resistance Range: 200M Ω , 2000M Ω

Resistance Range: 200 Ω , 2000 Ω

Voltage Range: 750VAC; 1000VDC

Continuity Range: Beeps $\leq$ 40 Ω

Test Current: $\leq$ 200mA

Accessories & Replacement Parts

R1020 Fused Test Lead Set



R5002 High Voltage Insulation Tester

Features

- Wide range measurements from 500V to 5000V and up to 60G Ω
- Sources up to 1.2mA current during tests to offset capacitance load
- Polarization index measurement (PI)
- Dielectric absorption ratio measurements (DAR)
- Max/Min, Peak, Relative value and Data Hold functions
- Cat. IV 600V safety rating
- Includes test leads, batteries and carrying case

Specifications

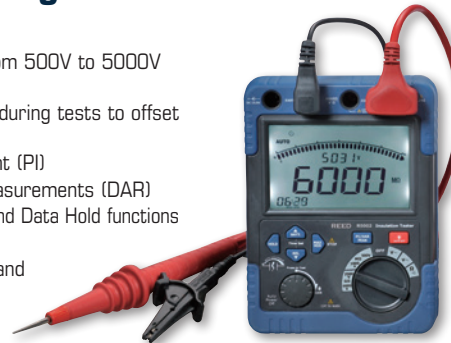
Insulation Resistance: Test

Voltages: 500V, 1000V, 2500V, 5000V DC

Measurement Range: 0 to 60.0G Ω

Resistance Tests Measurement Range: 0.1 to 6000 Ω

Voltage Tests Measurement Range: 0.5 to 600.0V AC/DC



K5090 Milli-Ohmmeter, 110V

Features

- 4 terminal input for high accuracy of low resistance
- Large LCD display
- Zero adjustment
- Built-in overload protection
- Includes 4-wire leads with 2 kelvin clips, protective case, power cord and shoulder strap

Specifications

Measuring Range: 0.1m Ω to 2000 Ω , 5 ranges



R5001 LCR Meter

Features

- Measure inductance/capacitance/resistance with secondary parameters including dissipation factor (D), quality factor (Q), phase angle (θ), equivalent series/parallel resistance (ESR or Rp)
- Autoranging operation for AC impedance and DE resistance measurement
- Auto LCR smart check and measurement
- Series/Parallel modes
- Ls/Lp/Cp with D/Q/ θ /ESR parameters
- Support DCR mode 200 to 200M Ω
- High accuracy with 4 or 5 terminal Kelvin measurement
- Testing frequency is up to 10kHz and output frequency is up to 100kHz
- IP67 rated (dust and waterproof)
- Includes test leads and batteries

Specifications

Inductance (F=1kHz) Range:

2000.0 μ H/20.000/200.0/2000.0mH/20.000/200.00/2000.0H

Capacitance (F=1kHz) Range:

2000.0pF/20.000/200.00/2000.0nF/20.00/200.00/2000 μ F

Resistance (F=1kHz) Range:

20.000/200.00 Ω /2.0000/20.000/200.00k Ω /2.0000/20.000/200.0M Ω

Test Frequencies: 100/120/1k/10k/100k Hz



R5406 & R5408 Decade Boxes

Features

- 3 binding posts permit isolated substitutions
- Slide switches allow user to simply add or subtract for desired value
- Excellent for circuit development

Specifications

R5406 Capacitance Decade Box

Range: 100pF to 11,111 μ F, 5 ranges

Resolution: 100pF per step

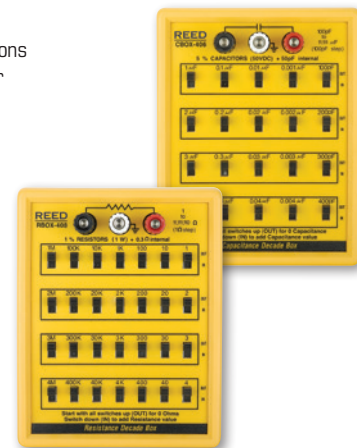
Accuracy: $\pm$ 1% of reading

R5408 Resistance Decade Box

Range: 1 to 11,111,110 Ω , 7 ranges

Resolution: 1 Ω increments

Accuracy: $\pm$ 1% of reading



R5000 Watt Meter

Features

- True RMS current and voltage measurements
- Measures Watts (AC), AC A, AC V, and pF
- Large dual display LCD with backlight
- Full function auto range
- Max/Min record
- Data hold
- Cat. III 600V safety rating
- Includes 2 pairs of test leads (red & black)

Accessories & Replacement Parts

R1020 Fused Test Lead Set

CA-05A Soft Carrying Case





R5300 Continuity Tester

Features

- Local and remote continuity tester
- Visual (flashing bi-color LEDs) and audible (pulsating beeper) indicators
- Probe flashes green or red to indicate polarity
- Connect alligator clips to suspend instrument from wire/cable; remote probe allows for one person operation
- Capable of sending signals on cable/wire runs up to 10,000ft (3000m)
- Includes remote probe and battery

Accessories & Replacement Parts

CA-52A Soft Carrying Case

R5004 Motor Rotation/3-Phase Tester

Features

- Tests phase orientation of 3-phase power sources
- Indicates phase orientation (clockwise or counter-clockwise and whether each of the three phases is live)
- LEDs display motor rotation and phase status
- Easy to open alligator clips with wide jaws
- Cat. III 600V safety rating
- Includes cables with 3 color-coded alligator clips, battery and carrying case

Specifications

Input Voltage: 40 to 600VAC

Operating Frequency: 2 to 400Hz

R5044 Non-contact Phase Rotation Tester

Features

- Non-contact voltage sensing alligator clips
- LEDs with adjustable brightness indicate phase orientation (clockwise or counter-clockwise and whether each of the three phases is live)
- Beeper sounds intermittently when detecting correct phase and continuously for a reversed phase
- Housing with magnets for frees-hands measurement
- Cat. III 1000V and Cat. IV 600V safety ratings
- Includes cables with 3 color-coded alligator clips, battery and carrying case

Specifications

Input Voltage: 75 to 1000 VAC

Operating Frequency: 45 to 65Hz

R5110 Non-Contact Voltage Detector with Flashlight

Features

- Detects the presence of AC voltage from a safe distance
- Audible (buzzer) and visual (LED) indicators
- Built-in flashlight and pocket clip
- Double insulated housing for increased safety
- Cat. IV 1000V safety rating
- Includes batteries

Specifications

AC Voltage Range: Low: 24 to 1000V; High: 90 to 1000V

Frequency Range: 50 to 60Hz



R5120 Non-Contact Voltage and Magnetic Field Detector

Features

- Check receptacles or insulated wire for presence of AC voltage
- Quickly determine the presence of magnetic fields
- Double insulated housing for increased safety
- Audible (buzzer) and visual (LED) indicators
- Built-in flashlight
- Pocket clip
- Auto shut-off
- Cat. IV 1000V safety rating
- Includes batteries

Specifications

Voltage Range: Low Voltage Mode: 24 to 1000VAC

High Voltage Mode: 90 to 1000VAC

R5003 AC Voltage/Current Data Logger

Features

- Simultaneously measure 2 True RMS AC voltage inputs OR 2 AC current inputs OR 1 AC voltage and 1 AC current input
- User programmable high/low alarms
- User programmable sample rates from 1s to 24h
- LCD indicates time/date, current readings, Max/Min, Peak hold and whether alarm settings have been exceeded
- Stores up to 256,000 measurements
- Download data through USB interface
- Includes AC current clamp sensor and voltage sensor, USB cable, software and battery

Specifications

AC Current Range: 10 to 200A

AC Voltage Range: 10 to 600V

R5210 Receptacle Tester with GFCI

Features

- Check the status of and troubleshoot 3-wire circuits
- Match LED light pattern with status indicator chart to identify 5 wiring faults
- Built-in GFCI test to quickly verify if GFCI outlets are functioning properly

Specifications

Rated Working Voltage: 110 to 125 VAC

R5090 Power Meter

Features

- Calculates operating costs of household appliances
- Simply set the local utility rate in Killowatt-hours (KWH) and connect an appliance to start tracking cost
- Displays 8 important units of measure (Voltage, Current, Watts, Frequency, Power Factor, Energy used (kWh), Total Cost and Elapsed Time)
- Built-in battery backup

Specifications

AC Voltage Range: 100 to 150V

AC Current Range: 0 to 15A

Power: 0 to 1800W

Power Factor: 0 to 1.00

Frequency: 45 to 65Hz



R5500 Circuit Breaker Finder /Receptacle Tester

Features

- 3-in-1: Circuit Breaker Finder, Circuit Tester and GFCI Receptacle Tester
- Identify correct circuit breaker protecting a specific electrical circuit without service interruption
- Consists of a transmitter and a receiver
- Transmitter generates a signal by a plug style tool that also verifies the correct wiring of outlets with colored LED's and includes GFCI test functionality
- With the transmitter plugged in and the receiver at the circuit breaker panel, the receiver will detect the signature emitted from the transmitter and confirm the line between receptacle and circuit
- As the receiver scans over the breaker panel, an audible alarm ("tick" sound) and bright LED (flashing red) will alert the user as it approaches the breaker associated with the circuit under test
- Adjustable sensitivity to help quickly identify circuit breaker
- Receiver operates on one 9V battery
- Includes receiver, transmitter and a battery

Specifications

Rated Working Voltage: 90 to 120VAC

Power Supply: 9V battery (receiver)



R5320 Wire Tacer/Circuit Testing Kit

Features

- Intelligent line tracer/tracker identifies and validates cables from source to termination
- Test modes include; identifying and locating wires, validating cable/line connections, verifying telephone line continuity/line polarity
- Modular adapters provide direct connection to RJ45 and RJ11 wiring
- Alligator clip adapter allows for easy connection to non-terminated cables
- Adjustable sensitivity wheel
- Visual (flashing LEDs) and audible (pulsating beeper)
- Built-in non-contact voltage detector and integrated flashlight
- Includes transmitter, receiver, micro-USB charging cable, RJ11 adapter cable, RJ45 adapter cable, RJ11 alligator clip adapter cable, carrying case

Specifications

Transmitter Tracking Signal Frequency: 125kHz

Open Polarity Test Range: DC: 5 to 70V

or -70 to -5V

Receiver Tracking Sensitivity: RJ11 ≤9842' (3000m); RJ45 ≤328' (100m)

Voltage Detector Range: 40 to 1000VAC



R5330 Advanced Cable Locator

Features

- LCD screens display signal strength, transmission code, and voltage presence
- Coded transmission for increased precision
- Audible and visual signal strength indicators with variable tone
- Adjustable sensitivity
- Backlit LCD
- Integrated flashlight supports applications in low lit environments
- Built-in non-contact voltage detector
- Low battery indicator and auto shut-off
- Includes transmitter, receiver, in-line test leads, alligator clips, lantern-tip test probes, ground rod, batteries, carrying case

Specifications

Transmitter:

External Voltage: 8 to 480V

External Voltage Frequency: 50 to 60Hz

External Voltage Accuracy: ±(2.5% rdg. +3 dgt.)

External Voltage Voltage Detection: 480V AC/DC

External Voltage Over Voltage Category: CAT. III 480V

Receiver:

Output Signal Frequency: 33kHz

Detection Single Pole: (0 to 2.5m)

Double Pole: (0 to 0.5m)

Voltage Detection: (0 to 0.4m)



R5340 Cable Length Tester

Features

- Measures cable lengths up to 100,000 feet (30km)
- Resistance measurement ranges of up to 1999.9mΩ
- 20 preset cable sizes and 8 user-defined sizes
- 19,999 count backlit LCD display
- User selectable unit of measure (ft/m)
- Built-in kickstand
- Compatible with magnetic hanging strap (sold separately)
- Overrange indicators
- Low battery indicator and auto shut-off
- Includes test leads and clips, copper rod, carrying case, batteries

Specifications

Length Measurement Range: 1999.9 m 19.999,

30.00 km 1999.9, 19.999 ft 100.00 kft

Resistance Measurement Range: 1999.9, 199.99,

19.999 Ω, 1999.9 mΩ

Temperature Range: 23 to 122°F (-5 to 50°C)





R5805 Voltage/Current Simulator

Features

- Sources voltage and current
- 5-digit LCD display
- Automatic calibration
- Low battery indicator and auto shut-off
- Includes test leads, alligator clips, batteries

Specifications

DC Voltage Range: 10V
DC Voltage Output Range: -1.000 to 11.000V
DC Voltage Resolution 0.001V
DC Voltage Accuracy $\pm 0.05\%$ rdg. $+2\text{mV}$
DC Current Range: 30mA
DC Current Output Range: 0.000 to 30.000mA
DC Current Resolution: 0.001mA
DC Current Accuracy: $\pm 0.05\%$ rdg. $+4\mu\text{A}$
Display: 6-Digit LCD
Battery Life: Approx. 20 hours

Accessories and Replacement Parts

R9940 Hard Shell Carrying Case

R1000 Safety Test Lead Set

R1020 Fused Test Lead Set

R5900 Magnetic Meter Strap

CA-05A Soft Carrying Case



R5825 Loop Calibrator

Features

- mA sourcing and measurement
- 0-30 VDC measurement to check loop voltage
- Basic measurement/sourcing accuracy of 0.02% and 0.05%, respectively
- Simulate mA and % with 0.001% display span
- Selectable step or ramp outputs
- Easy to read 6-digit LCD display
- Built-in LED flashlight
- Internal 24V loop power supply
- Low battery indicator and auto shut-off
- Includes test leads, alligator clips, batteries

Specifications

DC Voltage Measurement Range: 30V
DC Voltage Output Range: -30.000 to 30.000V
DC Voltage Resolution: 0.001V
DC Voltage Accuracy: $\pm 0.02\%$ rdg. $+2\text{mV}$
DC Current Measurement Range: 30mA
DC Current Measurement Output Range : -30.000mA to 30.000mA
DC Current Resolution: 0.001mA
DC Current Accuracy: $\pm 0.02\%$ rdg. $+4\mu\text{A}$
Current Output Range: 30mA
Current Output Range: 0.000 to 30.000mA
Current Output Resolution: 0.001mA
Current Output Accuracy: $\pm 0.05\%$ rdg. $+4\mu\text{A}$
Analog Transducer Output Loop Power: 24V

Accessories and Replacement Parts

R9940 Hard Shell Carrying Case

R1000 Safety Test Lead Set

R1020 Fused Test Lead Set

R5900 Magnetic Meter Strap

CA-05A Soft Carrying Case



R5850 Multifunction Process Calibrator

Features

- Rugged design stands up to field use
- Measures/Sources volts, mA, RTDs, thermocouples, frequency, and ohms
- 0.02% output and measurement accuracy
- Easy-to-read measure/source screen lets you view input and output simultaneously
- Perform fast linearity tests with auto step and auto ramp features
- Powers transmitters during the test using a loop supply with simultaneous mA measurement
- Measures and outputs 10 types of RTDs and 12 types of TC signals
- Rechargeable Ni-MH battery
- Adjustable brightness provides better visibility in poor light
- Store frequently-used test setups for later use
- Low battery indicator and auto shut-off
- Includes test leads, test clips, type K thermocouple wire probe, USB cable, power adapter, carrying case

Specifications

DC Voltage Measure Range: 50mV, 500mV, 30V (upper display), 50V (lower display)

DC Voltage Source Range: 100mV, 1V, 10V

DC Current Measure Range: 20mA at 0 to 24mA

DC Current Source Range: 20mA at 0 to 24mA,

20mA (SIM) at 0 to 24mA

Loop Current Measure Range: 20mA (loop) at 0 to 24mA

Resistance Measure Range: 500 Ω , 5000 Ω

Resistance Source Range: 400 Ω , 4000 Ω , 40k Ω

Frequency (Hz) Measure Range: 100Hz, 1kHz, 10kHz, 100kHz

Frequency (Hz) Source Range: 200Hz, 2000Hz, 20kHz, 100kHz

Ramp Functions:

Source functions: Voltage, Current, Resistance, Frequency, Temperature

Ramps: Slow ramp, fast ramp, 25% step-ramp

Loop Power Function:

Voltage: 24V

Accuracy: 10%

Maximum current: 22mA, short circuit protected

Step Functions:

Source functions: Voltage, Current, Resistance, Frequency, Temperature

Steps: 25% of range, 100% of range

Accessories and Replacement Parts

• **TP-01** Type K Beaded Wire Probe

• **R1000** Safety Test Lead Set

• **R1020** Fused Test Lead Set

• **R2950** Type K Immersion Probe

• **R2940** Type K Air/Gas Probe

• **R2930** Type K Right Angle Surface Probe

• **R2920** Type K Surface Probe

• **R2960** Type K Needle Tip Probe

• **R1050-KIT2** Deluxe Safety Test Lead Kit

• **R8888** Medium Hard Carrying Case



R5400 Line Splitter

Features

- Enables clamp meter user to measure AC current on a 2-wire or 3-wire power cord to 15A
- Plugging the power connector into the line splitter separates the hot / live conductor from the neutral and ground
- Provides safe measurements of current without the need to cut off the plug and separate the conductors
- Voltage check function



Industrial Test Leads

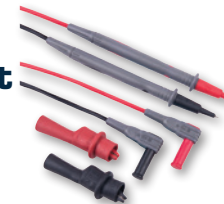
R1000 Safety Test Lead Set

- Set of two 48" long leads, one black and one red
- Flexible silicone insulated safety test leads are heat and cold resistant
- Distinctive comfort grip test probes with stainless steel tips



R1000-KIT Safety Test Leads and Alligator Clips Kit

- Same as R1000 above with R1220 safety alligator clips



R1020 Fused Test Lead Set

- Lead length: 1.4 meters
- Compatible with all instruments that accept standard 4mm shrouded banana connectors



R1020-FUSE Replacement Fuses

- For use with the REED FC-300 and R1020 Fused Test Leads



R1050 Test Lead Set

- $\varnothing 4\text{mm}$, 100cm long safety test leads (one black, one red)
 - Right angle sheathed banana plug to straight sheathed banana plug
- To be used in conjunction with **R1050**



R1100 Test Probe Set

- Tips include banana-style spring contacts with nickel-plated brass ends



R1110 Test Probe Set

- Push-on safety test probes with stainless steel tips



R1120 Safety Test Probe Set

- Industrial test probes with stainless steel tips



R1130 Test Probe Set

- This set of test probes features banana-style spring contacts.



R1140 Electronic Test Probe Set

- Sharp tips for probing electronic components and boards.



R1210 Alligator Clip Set

- Toothed jaws to grip fine wires



R1200 Plunger Style Alligator Clip Set

- Push-on safety test clips with insulated, nickel-plated jaws for gripping objects up to 3/8"



R1220 Alligator Clips Set

- Slide-on style for test probes
- Jaws open to 8mm



R2990 Thermocouple Adapter

Features

- Converts a type K probe with a mini connector to standard 3/4" banana jacks



**R5099-KIT Electrical Test Kit****Includes the following**

- R5099 Digital Multimeter
- R5210 Receptacle Tester
- R5110 Non-contact AC Voltage Detector
- C-820 Soft Carrying Case

**R5500-KIT Electrical Troubleshooting Kit****Includes the following**

- R5500 Circuit Breaker Finder
- R5300 Continuity Tester
- R5110 Non-contact AC Voltage Detector
- R9950 Soft Carrying Case

**RINDUST-KIT Industrial Combo Kit****Includes the following**

- R5010 TRMS Waterproof Multimeter
- R5020 AC Clamp Meter
- R2300 Infrared Thermometer
- R5110 Non-contact AC Voltage Detector
- R2990 Temperature Input Adapter
- TP-01 Type K Thermocouple Wire Probe
- R1000 Safety Test Lead Set
- R8890 Deluxe Carrying Case

**ST-MULTIKIT Multimeter Combo Kit****Includes the following**

- R5008 Digital Multimeter w/ Temperature
- R5040 TRMS AC/DC Clamp Meter + NCV
- R5110 Non-contact AC Voltage Detector
- R5400 AC Line Splitter
- R1000 Safety Test Lead Set
- R2990 Temperature Input Adapter
- TP-01 Type K Thermocouple Wire Probe
- R9950 Soft Carrying Case

**R1050-KIT Safety Test Lead Kit****Includes the following**

- R1050 Safety Test Leads
- R1210 Safety Alligator Clips
- R1110 Safety Test Probes
- R9940 Soft Carrying Case

**R1050-KIT2 Deluxe Safety Test Lead Kit****Includes the following**

- R1000 Safety Test Leads
- R1050 Safety Test Leads
- R1220 Safety Alligator Clips
- R1210 Safety Alligator Clips
- R1100 Basic Test Probes
- R1110 Safety Test Probes
- R1120 Safety Test Probes
- R1130 Safety Jaw Clips
- R1200 Safety Test Clips
- R9940 Soft Carrying Case

**R2300 Infrared Thermometer, 12:1****Features**

- Built-in laser pointer identifies target area
- 12:1 distance to spot size ratio
- Digitally adjustable emissivity
- Max/Min readings and display hold
- High and low alarms with audible indicators
- Includes battery

Specifications

Temperature Range: -25.6 to 752°F (-32 to 400°C)
Accuracy: $\pm 4^{\circ}\text{F}$ (2°C) or $\pm 2\%$ rdg.
Optical Resolution (D:S): 12:1
Emissivity: 0.1 to 1.0 (Adjustable)
Spectral Response: 8 to 14 μm

Accessories & Replacement Parts

R9990 Soft Carrying Case

**R2330 Infrared (IR) Thermometer 50:1****Features**

- Built-in dual laser pointers identify target area
- 50:1 distance to spot size ratio
- Digitally adjustable emissivity
- Max, Min, Average and Differential readings
- EBTN color display
- Audible (beep) and visual (tri-color LEDs) user adjustable alarms
- Internal memory stores up to 5 pre-set high and low alarms and 5 emissivity settings
- Includes battery and carrying case

Specifications

Temperature Range: -26 to 2282°F (-32 to 1250°C)
Accuracy: $\pm 1.8\%$ of reading or 3.6°F (1.8°C)
Optical Resolution (D:S): 50:1
Emissivity: 0.1 to 1.0 (Adjustable)
Spectral Response: 8 to 14 μm

**R2310 Infrared (IR) Thermometer, 12:1****Features**

- Built-in laser pointer identifies target area
- 12:1 distance to spot size ratio
- Digitally adjustable emissivity
- Max, Min, Average and Differential readings
- High and low alarms with visual indicators
- IP65-rated double-molded housing
- Includes battery and carrying case

Specifications

Temperature Range: -31 to 1202°F (-35 to 650°C)
Accuracy: $\geq 32^{\circ}\text{F}$ (0°C): $\pm 3.6^{\circ}\text{F}$ (1.8°C) or $\pm 1.8\%$ rdg., whichever is greater;
 $< 32^{\circ}\text{F}$ (0°C): $\pm 3.6^{\circ}\text{F} + 0.1^{\circ}\text{F}$ ($1.8^{\circ}\text{C} + 0.1^{\circ}\text{C}$)/rdg.
Optical Resolution (D:S): 12:1
Emissivity: 0.1 to 1.0 (Adjustable)
Spectral Response: 8 to 14 μm

**R2340 Professional Infrared Thermometer****Features**

- Infrared thermometer with integral type K thermocouple input for contact measurement
- Built-in laser pointer identifies target area
- User-selectable $^{\circ}\text{F}$ or $^{\circ}\text{C}$
- 55:1 distance to spot size ratio
- Rechargeable Li-ion battery
- High-resolution TFT color LCD
- Digitally adjustable emissivity
- Max, Min, Average and Differential readings
- Ambient air temperature, humidity, dew point, and wet bulb temperature measurement
- Surface heat conduction, dew point, and temperature comparison detection modes
- Audible adjustable alarm
- Includes USB cable, type K bead thermocouple, hard carrying case

Specifications

IR Temperature Range: -58 to 3362°F (-50 to 1850°C)
Contact Temperature (Type K) Range: -58 to 2498°F (-50 to 1370°C)
Ambient Temperature Range: 14 to 122°F (-10 to 50°C)
Relative Humidity Range: 10 to 90% RH

**R2320 Infrared (IR) Thermometer, 30:1****Features**

- Built-in laser pointer identifies target area
- 30:1 distance to spot size ratio
- Digitally adjustable emissivity
- Max, Min, Average and Differential readings
- EBTN color display
- Audible (beep) and visual (tri-color LEDs) user adjustable alarms
- Internal memory stores up to 5 pre-set high and low alarms and 5 emissivity settings
- Includes battery and carrying case

Specifications

Temperature Range: -26 to 1472°F (-32 to 800°C)
Accuracy: $\pm 1.8\%$ of reading or 3.6°F (1.8°C)
Optical Resolution (D:S): 30:1
Emissivity: 0.1 to 1.0 (Adjustable)
Spectral Response: 8 to 14 μm

**FS-200 Food Service Infrared Thermometer, 8:1****Features**

- Specifically designed and calibrated to meet food service industry requirements
- Built-in laser pointer identifies target area
- 8:1 distance to spot size ratio
- Fixed emissivity covers 90% of all applications
- User settable alarm, with audible/visual signals
- Includes battery and carrying case

Specifications

Temperature Range: -58 to 392°F (-50 to 200°C)
Accuracy: -50 to -20°C (-58 to -4°F): $\pm 5^{\circ}\text{C}$ ($\pm 9^{\circ}\text{F}$)
-20 to 200°C (-4 to 392°F): $\pm 2^{\circ}\text{C}$ ($\pm 4^{\circ}\text{F}$)
Optical Resolution (D:S): 8:1
Emissivity: 0.95 (Fixed)
Spectral Response: 6 to 14 μm





R2165 Thermal Imaging Camera, 160 x 120

Features

- 160 x 120 infrared resolution (19,200 pixels)
- 2.8" color TFT display
- Built-in LED flashlight
- Choice of 7 color palettes
- Intuitive on-screen measurement tools
- 3 image modes (Thermal, Visual Image, Thermal Blending)
- High and Low-temperature spot and alarm indicators
- IP65 and 6.5' (2m) drop tested
- Rechargeable Li-ion battery
- Tripod mountable for continuous long-term monitoring
- View, analyze stored data, and generate reports or projects in real-time
- Low battery indication and auto shut-off
- Includes USB cable, 32GB micro SD card, soft carrying case, power adapter

Specifications

Imaging and Optical Specifications:

- Field of View (FOV): 56 x 42°
- Optimal Focal Distance: 0.82' (0.25m)
- Spatial Resolution: (IFOV) 6.1mrad
- Thermal Sensitivity (NETD): <0.05°C (50mK)
- Image Capture Frequency: 9Hz
- Focus: Fixed

Measurement:

- Temperature Range: 14 to 752°F (-10 to 400°C)
- Accuracy: ±3.6°F (2°C) or ±2% of reading, for ambient temperature at 77°F (25°C)
- Resolution: 0.1°F/°C

Detector Specifications:

- Detector Type: Uncooled microbolometer;
- Focal plane array (UFPA)
- Spectral Range: 8 to 14μm
- IR Resolution: 160 x 120 (19,200 pixels)

Image Presentation and Measurement Analysis

- Display: 2.8" color TFT
- Color Palettes: 7 (Ironbow/Rainbow/Rainbow(HC)/Lava/Red-Hot/White-Hot/Black-Hot)
- Image Modes: Thermal, Visual Image, Thermal Blending
- On-Screen Temperature Markers: 7 (Center/High Temp/Low Temp/Region of Interest/Up to 3 points)

Accessories and Replacement Parts

R1500 Tripod

RSD-16GB Micro SD Memory Card w/Adapter, 16GB

R8888 Medium Hard Carrying Case



R2170 Thermal Imaging Camera, 320 x 240

Features

- 320 x 240 infrared resolution (76,800 pixels)
- 3.5" color IPS display
- Built-in dual LED flashlight
- Choice of 7 color palettes
- Intuitive on-screen measurement tools
- 4 image modes (Thermal, Visual Image, Picture-in-Picture, Fusion (Thermal Blending))
- High and Low temperature spot and alarm indicators
- IP54 and 6.5' (2m) drop tested
- 4x digital zoom
- Rechargeable Li-ion battery
- Tripod mountable for continuous long-term monitoring
- View, analyze stored data and generate reports or project in real-time
- Low battery indication and auto shut-off
- Includes USB (Type-C) cable, power adapter, 2 x rechargeable batteries, 32GB micro SD card, hard carrying case

Specifications

Imaging and Optical Specifications:

- Field of View (FOV): 56 x 42°
- Focal Length: 4mm
- Spatial Resolution: (IFOV) 3mrad
- Thermal Sensitivity (NETD): <65mK
- Image Capture Frequency: 9Hz
- Focus: Fixed

Measurement:

- Temperature Range: -40 to 752°F (-40 to 400°C)
- Accuracy: ±3.6°F (2°C) or ±2% of reading, for ambient temperature at 77°F (25°C)
- Resolution: 0.1°F/°C/K

Detector Specifications:

- Detector Type: Uncooled Vanadium Oxide,
- Focal plane array (UFPA)
- Spectral Range: 8 to 14μm
- IR Resolution: 320 x 240 (76,800 pixels)

Image Presentation and Measurement Analysis

- Display: 3.5" color IPS
- Color Palettes: 7 (Ironbow/Rainbow/Rainbow(HC)/Lava/Red-Hot/White-Hot/Black-Hot)
- Image Modes: Thermal, Visual Image, Picture-in-Picture, Fusion (Thermal Blending)
- On-Screen Temperature Markers: 3 (Center/High Temp/Low Temp)
- Image Measurement Tools: 5 Points/3 Rectangles/3 Circles/1 Line (add up to 6)
- Emissivity: Adjustable (0.01 to 1.00)
- Isotherm: Yes (Below, Above, Interval)
- Temperature Span Automatic/Manual
- Temperature Alarm Indicators High/Low (user adjustable)

Accessories and Replacement Parts

R2170-3.7V Replacement/Add-On Battery

RSD-16GB 16GB Micro SD Memory Card w/Adapter

R1500 Tripod

R8890 Hard Carrying Case



RINSPECT-KIT Home Inspection Kit

Includes the following

- R2300 Infrared Thermometer
- R6018 Dual Moisture Meter
- R5110 Non-Contact Voltage Detector
- R5210 Receptacle Tester
- R1610 Thermo-Hygrometer
- R9940 Carrying Case



RINSPECT-KIT2 Deluxe Home Inspection Kit

Includes the following

- R2300 Infrared Thermometer
- R5500 Circuit Breaker Finder
- R6018 Dual Moisture Meter
- R5110 Non-Contact Voltage Detector
- R1610 Thermo-Hygrometer
- R9300 Combustible Gas Leak Detector
- R8005 Laser Distance Measurer
- R9950 Carrying Case



R5099-KIT Electrical Test Kit

Includes the following

- R5099 Digital Multimeter
- R5210 Receptacle Tester
- R5110 Non-contact AC Voltage Detector
- C-820 Soft Carrying Case



RINSPECT-KIT3 Professional Home Inspection Kit

Includes the following

- R2300 Infrared Thermometer
- R5210 Receptacle Tester
- R6018 Dual Moisture Meter
- R5110 Non-Contact Voltage Detector
- R1610 Thermo-Hygrometer
- R9300 Combustible Gas Leak Detector
- R8005 Laser Distance Measurer
- R2165 Thermal Imaging Camera
- R8500 Video Inspection Camera
- R9400 Carbon Monoxide Detector
- R9999 Industrial Tool Bag



R5500-KIT Electrical Troubleshooting Kit

Includes the following

- R5500 Circuit Breaker Finder
- R5300 Continuity Tester
- R5110 Non-contact AC Voltage Detector
- R9950 Soft Carrying Case



R6018-KIT Water Damage/Restoration Kit

Includes the following

- R6018 Dual Moisture Meter
- 8706 Digital Psychrometer
- R9940 Carrying Case



R2165-KIT Thermal Imaging Camera Kit, 160 x 120

Includes the following

- R2165 Thermal Imaging Camera
- R8888 Hard Carrying Case with laser etched custom foam interior



**R2450SD Data Logging Thermometer****Features**

- Measures/records up to 4 separate temperature measurements simultaneously
- Accepts Type K, J, R, S, E, T thermocouples and RTD probes
- Temperature differential (T1-T2), Max/Min and Data Hold
- User selectable °C/°F
- Real-time data logger with integrated SD memory card
- User selectable sampling rate from 1 to 3600 seconds
- Includes beaded wire probe, batteries and soft carrying case

Specifications

Type K Temp. Range: -148 to 2372°F (-100 to 1300°C)

Type J Temp. Range: -148 to 2102°F (-100 to 1150°C)

Type T Temp. Range: -148 to 752°F (-100 to 400°C)

Type E Temp. Range: -148 to 1652°F (-100 to 900°C)

Type R Temp. Range: 32 to 3092°F (0 to 1700°C)

Type S Temp. Range: 32 to 2732°F (0 to 1500°C)

RTD Pt100Ω Temp. Range: -327.9 to 1562°F (-199.9 to 850°C)

Accessories & Replacement Parts

R2450SD-RTD PT100 Ohm RTD Temperature Probe

R2920 Surface Thermocouple Probe

R2930 Right Angle Thermocouple Probe

R2940 Air/Gas Thermocouple Probe

R2950 Immersion Thermocouple Probe

R2960 Needle Tip Thermocouple Probe

TP-01 Beaded Thermocouple

R1500 Tripod

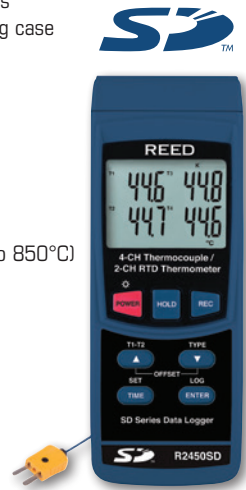
RSD-ADP-NA Power Supply, 110V

RSD-ADP-EU Power Supply, 220V

RSD-16GB 16GB Micro SD memory Card with Adapter

R8888 Hard Carrying Case

CA-05A Soft Carrying Case

**R2450SD-KIT Data Logging Thermometer with Power Adapter and SD Card****Includes the following**

- R2450SD Data Logging Thermometer
- RSD-16GB 16GB Micro SD Memory Card w/ Adapter
- RSD-ADP-NA AC Power Adapter

**R2450SD-KIT2 Data Logging Thermometer with Tripod, SD Card and Power Adapter****Includes the following**

- R2450SD Data Logging Thermometer
- R1500 Tripod
- RSD-16GB 16GB Micro SD Memory Card with Adapter
- RSD-ADP-NA AC Power Adapter

**R2450SD-KIT3 Data Logging Thermometer with SD Card, Power Adapter and 4 Thermocouple Probes****Includes the following**

- R2450SD Data Logging Thermometer
- TP-01 Type K Beaded Wire Probes (4X)
- RSD-16GB 16GB Micro S Memory Card with Adapter
- RSD-ADP-NA AC Power Adapter

**R2450SD-KIT4 Data Logging Thermometer with 4 Type-K Thermocouple Probes and Carrying Case****Includes the following**

- R2450SD Data Logging Thermometer
- R2920 Type K Surface Probe
- R2940 Type K Air/Gas Probe
- R2950 Type K Immersion Probe
- R2960 Type K Needle Tip Probe
- R8890 Hard Carrying Case

**R2450SD-KIT5 Data Logging RTD Thermometer Kit****Includes the following**

- R2450SD Data Logging Thermometer
- R2450SD-RTD RTD Temperature Probes (2X)
- RSD-16GB 16GB Micro SD Memory Card with Adapter
- RSD-ADP-NA AC Power Adapter

**R2450SD-KIT6 Data Logging Thermometer with 2 Oven/Freezer Thermocouple Probes****Includes the following**

- R2450SD Data Logging Thermometer
- R2980 2 Type-K versatile air probes

**R1640 Thermocouple Thermometer, Bluetooth Smart Series****Features**

- Displays 2 temperature measurements simultaneously
- Easy to operate, designed for one-hand operation
- Integrated display provides flexibility for use without a mobile device
- Magnetic Backing allows the instrument to be mounted to metallic surfaces
- Data Hold function
- User selectable °C, or °F
- Low battery indicator and auto shut-off
- Tripod mount for long-term monitoring
- Includes 2 x beaded wire probes, 4 x AAA batteries

Accessories and Replacement Parts

R2920 Type K Surface Probe

R2930 Type K Right Angle Surface Probe

R2940 Type K Air/Gas Probe

R2950 Type K Immersion Probe

R2960 Type K Needle Tip Probe

R2970 Type K Pipe Clamp Thermocouple Probe

R2980 Type K Air Oven/Freezer Thermocouple Probe

TP-01 Type K Beaded Wire Probe

R1500 Tripod

R8888 Medium Hard Carrying Case

CA-52A Small Soft Carrying Case

SMART
Series

**R1640-KIT Data Logging Smart Series Thermocouple Thermometer with Tripod and Carrying Case****Includes the following**

- R1640 Data Logging Bluetooth Smart Series Thermocouple Thermometer
- R1500 Tripod
- CA-05A Soft Carrying Case

**R1640-KIT2 Data Logging Smart Series Thermocouple Thermometer with 4 Type-K Thermocouple Probes and Carrying Case****Includes the following**

- R1640 Data Logging Bluetooth Smart Series Thermocouple Thermometer
- R2920 Surface Probe
- R2940 Air/Gas Probe
- R2960 Needle Tip Probe
- R8890 Hard Carrying

**R1640-KIT3 Data Logging Smart Series Thermocouple Thermometer with 2 Oven/Freezer Thermocouple Probes****Includes the following**

- R1640 Data Logging Bluetooth Smart Series Thermocouple Thermometer
- R2980 TP-01 2 Type-K versatile air probes

**R2400 Type K Thermocouple Thermometer****Features**

- Single input thermocouple thermometer designed for field use
- Large LCD display with backlight
- User selectable °C, °F or °Kelvin
- User selectable resolution of 0.1 or 1°F (0.1 or 1°C)
- Accepts K-type thermocouple probes (sold separately)
- Includes holster, TP-01 thermocouple wire probe and battery

Specifications

Temperature Range: -58 to 2000°F (-50 to 1300°C)

Accuracy: ±(0.5% reading + 2°F (1°C))

Accessories & Replacement Parts

R1500 Tripod

**R2400-KIT Thermocouple Thermometer Kit****Includes the following**

- R2400 Thermocouple Thermometer
- R2920 Surface Probe
- R2940 Air/Gas Probe,
- R2950 Immersion Probe
- TP-01 Type K Thermocouple Wire Probe
- R8890 Deluxe Hard Carrying Case

**C-370 RTD Thermometer****Features**

- Platinum resistor temperature sensor requires less temperature compensation than thermocouple units
- Selectable sensor types: Pt-100, Pt-500, Pt-1000 (4 wires)
- °F/°C switchable
- Min/Max/Avg functions
- Relative mode and Data hold
- IP67 rated (dust and waterproof)
- Includes piercing type temperature probe and batteries

Specifications

Temperature Range: -148 to 572°F (-100 to 300°C)

Accuracy: ±0.1% reading +0.8°F (+0.4°C)

Accessories & Replacement Parts

TP-R01 Pt-100 Temperature Probe

CA-05A Soft Carrying Case





R2000 Stainless Steel Digital Stem Thermometer

Features

- Stainless steel 4.75" (121mm) stem
- Water-resistant construction
- Easy to read LCD display
- User selectable °C, °F
- Front panel calibration button
- Includes protective probe cover and battery

Specifications

Temperature Range: -40 to 450°F (-40 to 230°C)
Accuracy: ±1.0°F: 0 to 230°F; ±3.6°F: <0°F & >230°F



R2222 Stainless Steel Digital Stem Thermometer

Features

- Stainless steel 4.65" (118mm) stem
- Easy-to-read LCD display
- User selectable °C, °F
- Max/Min and data hold functions
- Includes protective probe cover and battery

Specifications

Temperature Range: -40 to 482°F (-40 to 250°C)
Accuracy: 1.5% reading ±2°



R2920 Type K Surface Probe

Features

- Measurement range: -58 to 932°F (-50 to 500°C)
- Designed for flat or convex surface temperature measurements
- Exposed ribbon allows for direct contact with surface
- Dimensions: Probe: 6.3" (160mm); Handle: 5" (125mm); Wire: 39" (100cm)



R2930 Type K Right Angle Surface Probe

Features

- Measurement range: -58 to 932°F (-50 to 500°C)
- Allows for temperature measurement of hard to reach areas, like inside pipes and flat surfaces, while keeping hands away from heated area
- Dimensions: Probe: 6.3" (160mm); Handle: 5" (125mm); Wire: 39" (100cm)



R2940 Type K Air/Gas Probe

Features

- Measurement range: -58 to 1652°F (-50 to 800°C)
- Perforated stainless steel shield permits fast response and element protection
- Dimensions: Probe: 6.3" (160mm); Handle: 5" (125mm); Wire: 39" (100cm)



R2950 Type K Immersion Probe

Features

- Measurement range: -58 to 1112°F (-50 to 600°C)
- For immersion and general purpose applications
- Dimensions: Probe: 6.1" (156mm); Handle: 5" (127mm); Wire: 39" (100cm)



R2960 Type K Needle Tip Probe

Features

- Measurement range: -58 to 1112°F (-50 to 600°C)
- Designed for food, gels and liquids
- Dimensions: Probe: 7.1" (180mm); Handle: 5" (127mm); Wire: 39" (100cm)



R2970 Type K Pipe Clamp Thermocouple Probe

Features

- Measurement range: -40 to 392°F (-40 to 200°C)
- Spring-loaded jaw for a secure grip on pipes up to 1.4" (35mm) in diameter
- Dimensions: Jaw Opening: 1.4" (35mm); Wire: 39" (100cm)



R2980 Type K Air Oven/Freezer Thermocouple Probe

Features

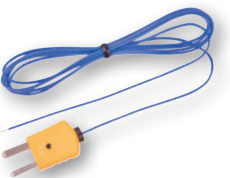
- Measurement range: -112 to 392°F (-80 to 200°C)
- Stainless steel shield and metal mounting clip
- Dimensions: Probe: 2.36" (60mm); Wire: 39" (100cm)



TP-01 Type K Beaded Wire Probe

Features

- Measurement range: -40 to 482°F (-40 to 250°C)
- Color coded according to ANSI thermocouple identification standards
- Dimensions: Wire: 38" (96.5cm)



LS-181 Type K Male Connector

Features

- Rated up 425°F (250°C)
- Constructed of glass-filled nylon for increased strength and wear resistance
- Color coded according to ANSI thermocouple identification standards



LS-182 Female Type K Thermocouple Connector

- Rated up 425°F (250°C)
- Constructed of glass-filled nylon for increased strength and wear resistance





R2815 Temperature Calibrator

Features

- Accurately sources and measures 11 thermocouple types, including A, B, C, D, E, J, K, N, R, S, T
- Supports 5 RTD (3-wire) types, including Pt100, Pt200, Pt500, Pt1000 and Cu50
- Source and measure Volts and Ohms
- Internal cold junction compensation for improved accuracy
- Easy to read 6-digit LCD display
- Zero adjustment button
- Built-in LED flashlight
- User selectable unit of measure (°F/°C)
- Low battery indicator and auto shut-off
- Includes test leads, alligator clips, thermocouple adapter, batteries

Specifications

DC Voltage (DCV)				
Function	Range	Measurement Range	Resolution	Accuracy
Measure	100mV	−110 to 110mV	0.01mV	0.05%rdg.+0.03mV
Source	100mV	−10 to 110mV	0.01mV	0.05%rdg.+0.03mV
Measure	1V	−1.1 to 1.1V	0.0001V	0.05%rdg.+0.3mV
Source	1V	−0.1 to 1.1V	0.0001V	0.05%rdg.+0.3mV
Measure	30V	−30 to 30V	0.001V	0.02%rdg.+2mV

Resistance (OHM)				
Function	Range	Measurement Range	Resolution	Accuracy
Measure	500Ω	0 to 500Ω	0.01Ω	0.05%rdg.+0.2Ω
Source	400Ω	0 to 400Ω	0.1Ω	0.05%rdg.+0.2Ω
Measure	5kΩ	0 to 5kΩ	0.0001kΩ (0.1Ω)	0.05%rdg.+2Ω
Source	4kΩ	0 to 4kΩ	1Ω	0.05%rdg.+2Ω

Thermocouple (TC) Temperature				
TC Measure Function				
TC Type	Range (°F/(°C))	Resolution (°F/(°C))	Accuracy (±°F/(±°C))	
J	−76 to 32°F (−60 to 0°C)	0.1°F(0.1°C)	1.8°F(1.0°C)	
	32 to 2192°F (0 to 1200°C)	0.1°F(0.1°C)	2.7°F(1.5°C)	
K	−148 to 32°F (−100 to 0°C)	0.1°F(0.1°C)	1.8°F(1.0°C)	
	32 to 2501.6°F (0 to 1372°C)	0.1°F(0.1°C)	2.4°F(1.3°C)	

TC Source Function (Types J & K)				
TC Type: J				
Range (°F/(°C))	Resolution (°F/(°C))	Accuracy (±°F/(±°C))		
−328 to −148°F (−200 to −100°C)	0.1°F(0.1°C)	0.9°F(0.5°C)		
−148 to 1472°F (−100 to 800°C)	0.1°F(0.1°C)	1.3°F(0.7°C)		
1472 to 2192°F (800 to 1200°C)	0.1°F(0.1°C)	1.3°F(0.7°C)		

TC Type: K				
Range (°F/(°C))	Resolution (°F/(°C))	Accuracy (±°F/(±°C))		
−328 to −148°F (−200 to −100°C)	0.1°F(0.1°C)	1.8°F(1.0°C)		
−148 to 752°F (−100 to 400°C)	0.1°F(0.1°C)	0.9°F(0.5°C)		
−752 to 2192°F (−400 to 1200°C)	0.1°F(0.1°C)	1.3°F(0.7°C)		
2192 to 2501°F (1200 to 1372°C)	0.1°F(0.1°C)	1.6°F(0.9°C)		

RTD (3-Wire) Temperature (Measure and Source)				
All RTD functions have a Resolution of 0.1°F(0.1°C).				
RTD Type: Pt100 (385)				
Function	Range (°F/(°C))	Accuracy (±°F/(±°C))		
Measure	−328 to 32°F (−200 to 0°C)	0.9°F(0.5°C)		
Source	−328 to 32°F (−200 to 0°C)	0.5°F(0.3°C)		
Measure/Source	32 to 752°F (0 to 400°C)	M: 1.3°F(0.7°C); S: 0.9°F(0.5°C)		
Measure/Source	752 to 1472°F (400 to 800°C)	M: 1.4°F(0.8°C); S: 1.4°F(0.8°C)		

RTD Type: Pt1000 (385)				
Function	Range (°F/(°C))	Accuracy (±°F/(±°C))		
Measure/Source	−328 to 212°F (−200 to 100°C)	M: 0.5°F(0.3°C); S: 0.5°F(0.2°C)		
Measure/Source	212 to 572°F (100 to 300°C)	M: 0.9°F(0.5°C); S: 0.9°F(0.5°C)		
Measure/Source	572 to 1166°F (300 to 630°C)	M: 1.3°F(0.7°C); S: 1.3°F(0.7°C)		



BX-500 Infrared (IR) Temperature Calibrator, 932°F

Features

- For calibrating non-contact infrared thermometers up to 932°F (500°C)
- Wide field of view to compensate for optical variations in individual infrared thermometers
- Simply set the desired temperature in increments of 0.1°, wait for the calibrator to attain equilibrium, point the infrared thermometer at the target, and measure the radiated energy
- Contact RTD reference well is located directly behind the blackbody target to assure even higher accuracies of ±0.1°C

Specifications

Temperature Range: 122.0 to 932.0°F (50.0 to 500.0°C)

Accuracy: ±1.6°F (±0.8°C): 212°F (≤100°C); ±3.2°F (±1.6°C): 212 to 392°F (100 to ≤200°C); ±5.6°F (±2.8°C): 392 to ≤932°F (200 to ≤500°C)

Target Emissivity: Fixed at 0.95

Cooling Time: 45 minutes to 122°F (100°C)

Heating Time: 40 minutes to maximum

Aperture Diameter: 57mm



R2900 Dry Block Calibrator, 91 to 572°F (33 to 300°C)

Features

- Designed to calibrate RTDs, thermocouples, and small bimetal thermometers
- 91 to 572°F (33 to 300°C)
- Dual LED display allow simultaneous monitoring of set and actual temperatures
- Accommodates multiple probe sizes with ø3.5mm (x2), ø4.2mm, ø5mm, and ø6.8mm apertures
- User selectable °F or °C
- Includes power cord

Specifications

Temperature Range: 91 to 572°F (33 to 300°C)

Accuracy: ≤212°F (≤100°C): ±1.6°F (0.8°C)
212 to 392°F (100 to 200°C): ±3.2°F (1.6°C)
392 to 572°F (200 to 300°C): ±5.6°F (2.8°C)

Stability: ≤212°F (≤100°C): ±0.2°F (0.1°C)
212 to 392°F (100 to 200°C): ±0.4°F (0.2°C)
392 to 572°F (200 to 300°C): ±0.8°F (0.4°C)

Resolution: 0.1°F (0.1°C)

Heating Time: Approx. 30 mins from 91 to 572°F (33 to 300°C)

Cooling Time: Approx. 30 mins from 572 to 122°F (300 to 100°C)

Accessories and Replacement Parts

R8888 Deluxe Hard Carrying Case



R6000 Temperature and Humidity Monitor

Features

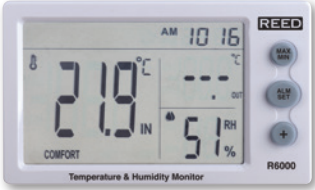
- Measures indoor/outdoor temperature and humidity
- User selectable unit of measure °F/°C
- Internal memory stores min/max temperature and humidity readings
- Waterproof sensor for outdoor temperature measurement with 6' (72") cable
- Built-in alarm clock and time display
- Humidity comfort icons: wet/comfort/dry
- Includes battery

Specifications

Temperature Range (Indoor):
−10 to 50°C (14 to 122°F)

Temperature Range (Outdoor): −40 to 50°C (−40 to 122°F)

Humidity Range: 20 to 95% RH



R1610 Thermo-Hygrometer, Bluetooth Smart Series

Features

- Measures ambient temperature and humidity
- Easy to operate, designed for one-hand operation
- Bendable probe shaft enables easy access to ducts
- Integrated display provides flexibility for use without a mobile device
- Magnetic Backing allows the instrument to be mounted to metallic surfaces
- Data Hold function
- User selectable °C, or °F
- Low battery indicator and auto-shut-off
- Tripod mount for long-term monitoring
- Includes thermo-hygrometer, 4 x AAA batteries

Specifications

Temperature Range: −4 to 140°F (−20 to 60°C)

Accuracy: −4 to 32°F (−20 to 0°C): ±1.6°F (0.8°C)
32 to 140°F (0 to 60°C): ±1°F (0.5°C)

Resolution: 0.1°F/°C

Humidity Range: 0 to 100% RH

Accuracy 20 to 80% RH: ±3.5% rdg.
0 to 20% & 80 to 100% RH: ±5% rdg.

Resolution 0.1% RH

Accessories and Replacement Parts

R9933 Humidity Calibration Standard, 33%

R9975 Humidity Calibration Standard, 75%

R9980 Humidity Calibration Kit (33% and 75%)

R1500 Tripod

R8888 Medium Hard Carrying Case

CA-05A Medium Soft Carrying Case

R1610-KIT Data Logging Thermo-Hygrometer with Tripod and Carrying Case

Includes the following

- R1610 Data Logging Bluetooth Smart Series Thermo-Hygromete
- R1500 Tripod
- CA-05A Soft Carrying Caser



R16X0-KIT Data Logging Bluetooth Smart Series Kit

Includes the following

- R1600 Vane Anemometer
- R1610 Thermo-Hygrometer
- R1620 Sound Level Meter
- R1630 Light Meter
- R1640 Thermocouple Thermometer
- R9950 Soft Carrying Case



R6001 Thermo-Hygrometer

Features

- Dual LCD readout displays ambient temperature and relative humidity
- User selectable °F / °C
- Min/Max memory for both functions
- Data hold and Relative functions
- Auto power off
- Includes battery

Specifications

Temperature Range: −4 to 140°F (−20 to 60°C)

Accuracy: ±1.6°F (0.8°C)

Resolution: 0.1°F/°C

Humidity Range: 0 to 100% RH

Accuracy: ±3% RH

Resolution: 0.1% RH

Accessories & Replacement Parts

R9933 33% Humidity Calibration Standard

R9975 75% Humidity Calibration Standard

R9980 Humidity Calibration Kit (33% & 75%)

CA-52A Soft Carrying Case



R6001-KIT Thermo-Hygrometer with Humidity Calibration Standards

Includes the following

- R6001 Thermo-Hygrometer
- R9980 Humidity Calibration Kit (33% & 75% RH)



**8706 Psychrometer / Thermo-Hygrometer****Features**

- Provides simultaneous relative humidity and air temperature readings
- Automatically calculates wet bulb and dew point temperatures
- Optional external probe (87P6) for contact/differential temperature measurement
- User selectable °F/°C
- Max/Min/Avg readings
- Data Hold function
- Includes battery

Specifications

Humidity Range: 0 to 100% RH
Air Temp. Range: -4 to 158°F (-20 to 70°C)
Contact Temp. Range: -4 to 122°F (-20 to 50°C)
Dew Point Temp. Range: -109.7 to 122°F (-78.7 to 50°C)
Wet Bulb Temp. Range: -6.9 to 122°F (-21.6 to 50°

Accessories & Replacement Parts

87P6 External Temperature Probe
R9933 33% Humidity Calibration Standard
R9975 75% Humidity Calibration Standard
R9980 Humidity Calibration Kit (33% & 75%)
CA-52A Soft Carrying Case

**8706-KIT Psychrometer with Humidity Calibration Standards****Includes the following**

- R8706 Digital Psychrometer
- R9980 Humidity Calibration Kit (33% & 75% RH)

**R6040 Psychrometer/Thermo-Hygrometer****Features**

- Measures relative humidity, ambient temperature and dew point/wet bulb temperatures
- Backlit LCD simultaneously displays selected temperature and relative humidity
- User selectable °C, or °F
- Data Hold and MAX/MIN functions
- User adjustable alarms with visual indicators
- User selectable sampling rate
- Manual and auto data storage
- Internal memory stores up to 999 groups of data
- View stored data, charts or real-time measurement with software
- Low battery indicator and auto shut-off
- Includes soft carrying case, USB cable, batteries

Specifications

Temperature Range: -4 to 158°F (-20 to 70°C)
Dew Point Range: -109 to 158°F (-78.2 to 70°C)
Humidity Range: 0 to 99.9% RH

Accessories & Replacement Parts

CA-05A Medium Soft Carrying Case

**R6020 Temperature and Humidity USB Data Logger****Features**

- Stores up to 16,000 temperature and 16,000 humidity readings
- User selectable measurement rate from 2s to 24h
- Alarm displays if user-defined max/min values are exceeded
- Simply plug into your USB port to begin downloading stored information
- Includes wall mount bracket and screws, protective USB cap, software, and battery

Specifications

Humidity Range: 0 to 100% RH
Temperature Range: -40 to 158°F (-40 to 70°C)

**R6030 Temperature/Humidity Data Logger****Features**

- Stores up to 16,000 temperature and 16,000 humidity readings
- User selectable measurement rate from 1s to 24h
- Visible alarm (LED) displays if user-defined max/min values are exceeded
- Real-time clock with date stamp
- Dual LCD displays current temperature, humidity, min/max and date/time
- Includes mounting bracket with screws, USB cable, software, security lock, and battery

Specifications

Temperature Range: -40 to 158°F (-40 to 70°C)
Accuracy: ±1.8°F (1.0°C)
Resolution: 0.1°F/°C
Humidity Range: 0 to 100% RH
Accuracy:
0 to 20% & 80 to 100%: ±5%
20 to 40% & 60 to 80%: ±3.5%
40 to 60%: ±3%
Resolution 0.1% RH

Accessories & Replacement Parts

CA-52A Soft Carrying Case

**R6050SD Data Logging Thermo-Hygrometer****Features**

- Measures relative humidity, ambient temperature and dew point wet bulb temperatures
- Contact temperature measurement with a type J or K thermocouple option
- Automatic temperature compensation
- Data hold and Max/Min record
- Real time data logger with integral SD memory card
- Just plug the SD card (sold separately) into the computer and it downloads directly to Excel
- Includes humidity/temperature probe, batteries, and carrying case

Specifications

Humidity Range: 5% to 95% RH
Accuracy: ±(3% rdg. + 1% RH): ≥70% RH
±3% RH: < 70% RH
Ambient Temp. Range: 32 to 122°F (0 to 50°C)
Accuracy: ±1.5°F (0.8°C)
Dew Point Temp. Range: 13.5 to 120.1°F (-25.3 to 48.9°C)
Accuracy: Sum of temp and RH accuracy
Wet Bulb Temp. Range: -6.9 to 122.0°F (-21.6 to 50.0°C)
Accuracy: Sum of temp and RH accuracy
Type K Temp. Range: -148.0 to 2372°F (-100.0 to 1300.0°C)
Type J Temp. Range: -148.0 to 2192°F (-100.0 to 1200.0°C)
Accuracy: ≥-58°F (-50°C) ±(0.4% + 1°F (0.5°C))
≤-58°F (-50°C) ±(0.4% + 1.8°F (1°C))

Accessories & Replacement Parts

R6050SD-PROBE Replacement Probe
R9933 33% Humidity Calibration Standard
R9975 75% Humidity Calibration Standard
R9980 Humidity Calibration Kit, 33% and 75%
RSD-16GB 16GB Micro SD Memory Card w/Adapter
RSD-ADP-NA Power Supply, 110V
RSD-ADP-EU Power Supply, 220V
R1500 Tripod
CA-05A Soft Carrying Case

**R6050SD-KIT Data Logging Thermo-Hygrometer with Power Adapter and SD Card****Includes the following**

- R6050SD Data Logging Thermo-Hygrometer
- RSD-16GB 16GB Micro SD Memory Card w/ Adapter
- RSD-ADP-NA AC Power Adapter





R6200 Heat Stress WBGT Meter

Features

- Measures ambient temperature, humidity, wet bulb temperature, black globe temperature, WBGT (wet bulb global temperature), heat stress index, dew point and pressure
- Heat Stress Index measures how hot it feels when humidity is combined with temperature, air movement and radiant heat
- Black Globe Temperature (GT) monitors the effects of direct solar radiation on an exposed surface
- In/Out function displays the WBGT value with or without direct sun exposure
- Maximum, Minimum, Average and Data Hold functions
- Internal memory stores up to 99 measurements
- User adjustable WBGT threshold alarm (audible)
- Includes batteries

Specifications

Ambient Temp. Range: 32 to 122°F (0 to 50°C)
Black Globe Temp. Range: 32 to 176°F (0 to 80°C)
WBGT Temp. Range (Indoor): 59 to 138.2°F (15 to 59°C)
WBGT Temp. Range (Outdoor): 59 to 132.8°F (15 to 56°C)
Humidity Range: 0 to 99.9% RH

Accessories & Replacement Parts

R9933 33% Humidity Calibration Standard
R9975 75% Humidity Calibration Standard
R1500 Tripod



R6250SD Data Logging Heat Stress Meter

Features

- Measures ambient, dew point, wet bulb, and black globe temperatures, humidity, and indoor/outdoor WBGT
- Wet Bulb Globe Temperature (WBGT) considers the effects of temperature, humidity and direct or radiant sunlight
- In/Out function displays the WBGT value with or without direct sun exposure
- Black Globe Temperature (TG) monitors the effects of direct solar radiation on an exposed surface
- Adjustable audible alarm
- Data hold and Max/Min functions
- Real-time datalogger with integral SD memory card
- Includes batteries and carrying case

Specifications

Humidity Range: 5% to 95% RH
Ambient Temp. Range: 32 to 122°F (0 to 50°C)
Dew Point Temp. Range: 13.5 to 120.1°F (-25.3 to 48.9°C)
Wet Bulb Temp. Range: -6.9 to 122.0°F (-21.6 to 50.0°C)
Type K Temp. Range: -148.0 to 2372°F (-100.0 to 1300.0°C)
Type J Temp. Range: -148.0 to 2192°F (-100.0 to 1200.0°C)

Accessories & Replacement Parts

RSD-16GB 16GB Micro SD memory Card w/Adapter
RSD-ADP-NA Power Supply, 110V
R1500 Tripod
R8888 Hard Carrying Case
CA-05A Soft Carrying Case



R6210 Heat Stress WBGT Meter

Features

- Measures ambient temperature, humidity, wet bulb temperature, black globe temperature, WBGT (wet bulb global temperature)
- Black Globe Temperature (TG) monitors the effects of direct solar radiation on an exposed surface
- IN/OUT function displays the WBGT value with or without direct sun exposure
- Multi-line backlit LCD display simultaneously displays 3 measurements
- User-selectable units of measure (°F or °C)
- User-adjustable WBGT threshold alarm (audible)
- Flexible armband and tripod mount for long-term monitoring
- Low battery indicator
- Includes flexible armband, fastener for armband with screws, keyring, carabiner, silicone elbow for anti-skid, screw for silicone elbow, battery

Specifications

Temperature Ranges:
Air Temperature: 32 to 122°F (0 to 50°C)
Black Globe: 32 to 176°F (0 to 80°C)
WBGT: 32 to 122°F (0 to 50°C)
Humidity Ranges: 5 to 90% RH

Accessories & Replacement Parts

CA-05A Soft Carrying Case



R6250SD-KIT Data Logging Heat Stress Meter with Power Adapter and SD Card

Includes the following

- R6250SD Data Logging Heat Stress Meter
- RSD-16GB 16GB Micro SD Memory Card with adapter
- RSD-ADP-NA AC Power Adapter



R6250SD-KIT2 Data Logging Heat Stress Meter with Tripod, SD Card and Power Adapter

Includes the following

- R6250SD Data Logging Heat Stress Meter
- R1500 Tripod
- RSD-16GB 16GB Micro SD Memory Card with adapter
- RSD-ADP-NA AC Power Adapter



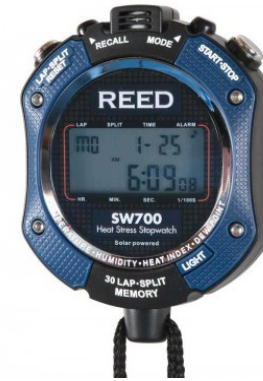
SW700 Heat Stress Stopwatch

Features

- Measures temperature and humidity, and calculates heat index as well as dew point
- Combines air temperature and relative humidity measurements in an attempt to determine the human-perceived equivalent temperature or "how hot it feels"
- Stopwatch/chronograph mode with 1/100 second resolution
- Calendar mode displays day, date and time
- Fastest/Slowest/Average Lap recall
- 99 lap counter with 30 lap/split memory
- 10 hour countdown timer with audible beeper warning for the last 5 seconds
- 12 or 24 hour clock operation
- Full LCD display with LED backlight
- Silent operation option
- Dual power: solar panel and battery
- 1 ATM water resistant (IPX4 rated)
- Includes lanyard and battery

Specifications

Timing Capacity: 9 hrs, 59 mins, and 59 secs
Accuracy: ±3 seconds per day
Lap Memory: 30 laps
Resolution 0.1°F/°C
Heat Index Range: 70 to 122°F (22 to 50°C)
Temperature Range: 23 to 122°F (-5 to 50°C)
Humidity Range: 1 to 99% RH
Accuracy: ±5% RH (40% to 70%), ±8% RH (Other)
Resolution: 0.1% RH



HEATSTRESS

Work Hard, Play Hard, Stay Safe.

REED INSTRUMENTS



**R6018 Dual Moisture Meter****Features**

- Pin and Pinless functions detect moisture in wood and building materials (sheet rock, cardboard, plaster, concrete and mortar)
- Pinless measurement depth up to 1" (25mm)
- Classifies moisture status as: low, medium and high
- Audible alert that increases in frequency as detected moisture level rises
- Data Hold functions
- Replaceable pins
- Includes pins, protective cap and battery

Specifications

Measuring Ranges: Pin Mode: 5 to 50% (wood); 1.5 to 33% (building materials) Pinless Mode: 0 to 99.9% (wood and building materials)

Depth Detection: Pin mode: 0.3" (8mm);
Pinless mode: up to 1" (25mm)

Accessories & Replacement Parts

R6018-P Replacement Electrode Pins

**R6018-KIT Water Damage/Restoration Kit****Includes the following**

- R6018 Dual Moisture Meter
- 8706 Digital Psychrometer
- R9940 Carrying Case

**R6010 Pinless Moisture Meter****Features**

- Detects moisture content in building materials of all kinds, as well as detects moisture distribution in walls, ceilings and floors
- Non-destructive - moisture sensor runs smoothly over the surface being tested without scratching or penetrating the surface
- Classifies moisture status as: dry, at risk or wet
- Measurement depth from 0.8 to 1.6" (20 to 40mm)
- Data Hold and Min/Max functions
- User adjustable alarms with audible and visual indicators
- Includes batteries

Specifications

Measuring Range: 0.0 to 100.0% Moisture Content

Moisture Status Display:

Gypsum: <30%: Dry; 30-60%: At risk; >60%: Wet
Cement: <25%: Dry; 25-50%: At risk; >75%: Wet
Wood: <50%: Dry; 50-80%: At risk; >80%: Wet

Accessories & Replacement Parts

CA-05A Soft Carrying Case

**R6015 Wood Moisture Meter****Features**

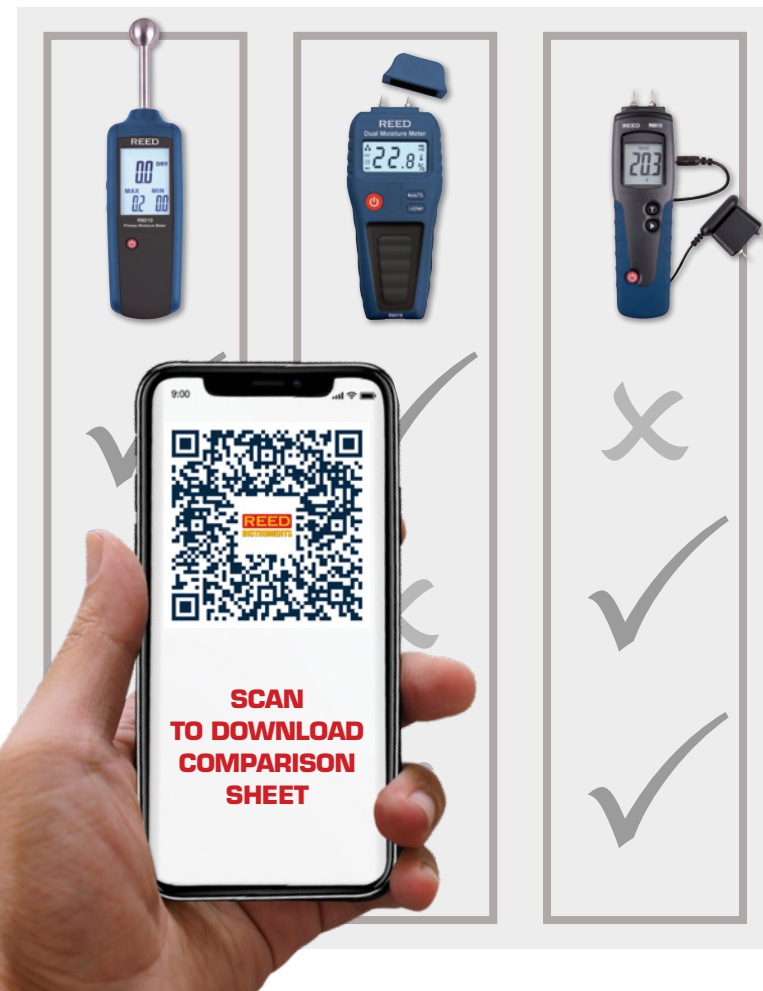
- Measures wood moisture with integrated pins or with remote hand-press probe
- Memory contains 8 wood groups with calibrations wfor approx. 170 species of wood
- Improved accuracy with use of included automatic temperature compensation probe
- Built-in 2-point calibration check
- Includes remote hand-press moisture electrode, ATC temperature probe, protective cap, replacement pins, batteries, and soft carrying case

Specifications

Measuring Range: 6 to 99.9% Moisture Content

Accessories & Replacement Parts

R6015-P Replacement Electrode Pin

**SIDE-BY-SIDE COMPARISON
MOISTURE METERS****R7900 Ultrasonic Thickness Gauge****Features**

- Able to gauge thickness measurement without requiring access to both sides of the test piece
- Capable of performing measurements on a wide range of material including metals, plastic, ceramics, epoxies, composites, glass, and other ultrasonic conductive materials
- Zero function and sound velocity calibration
- Capable of logging 5 files with up to 100 measurements for each file (total of 500 logs)
- 128 x 64 LCD with LED backlight displays
- User selectable units of measure
- Includes transducer, couplant, batteries, and carrying case

Specifications

Measuring Range: 0.65 to 400.0mm (0.03 to 15.7")

Sound Velocity Range: 1000 to 9999 m/s (0.039 to 0.394 in/μs)

Transducer Frequency: 5MHz

Minimum Area: Ø20mm × 3.0mm (Ø0.8" × 0.12")

Accessories & Replacement Parts

R7900-PROBE Replacement Probe

R9060 5-Step Calibration Block

R7950 Ultrasonic Couplant Gel

R7950/5L Ultrasonic Couplant Gel, 5L

R7950/12 Ultrasonic Couplant Gel, 12/pk

R8888 Medium Hard Carrying Case

CA-52A Soft Carrying Case

**R7900-KIT Ultrasonic Thickness Gauge with 5-Step Calibration Block****Includes the following**

- R7900 Ultrasonic Thickness Gauge
- R9060 5-Step Calibration Block

**R7920 Ultrasonic Thickness Gauge with 5-step calibration block****Features**

- Measures the thickness of steel, cast iron, aluminum, red copper, zinc, quartz glass, polyethylene, PVC, gray cast iron and nodular cast iron
- Easy-to-read backlit LCD display
- User-selectable units of measure (in/mm)
- Internal memory stores up to 300 measurements
- Displays sound velocity at the touch of a button
- User-adjustable High/Low alarms
- Automatic material calibration
- Auto shut-off and low battery indicator
- Includes ultrasonic couplant gel, probe, USB cable, carrying case, 5-step calibration block

Specifications

Measuring Range: 0.04 to 11.8" (1 to 300mm)

Accuracy: <10mm: ±0.1mm; ≥10mm: ±(1% rdg. +0.1mm)

Velocity Range: 1000 to 9999 m/s (0.039 to 0.394 in/μs)

Accessories & Replacement Parts

R7920-PROBE Replacement Probe

R9060 5-Step Calibration Block

R7950 Ultrasonic Couplant Gel

R7950/5L Ultrasonic Couplant Gel, 5L

R7950/12 Ultrasonic Couplant Gel, 12/pk

R8888 Medium Hard Carrying Case

**TM-8811 Ultrasonic Thickness Gauge****Features**

- Measures the thickness of steel, cast iron, aluminum, red copper, zinc, quartz glass, polyethylene, PVC, gray cast iron and nodular cast iron
- Exclusive micro-computer LSI circuit and crystal time base offer high accuracy
- Broad band receiving sensitivity means the meter can read probes of different frequencies
- Display sound velocity at the touch of a button
- Automatic material calibration
- Selectable metric or imperial
- Includes ultrasonic couplant gel, batteries, and carrying case

Specifications

Measuring Range: 0.05 to 7.9"/1.5 to 200mm (#45 steel)

Accuracy: ±(0.5% + 0.2"/0.1mm)

Velocity Range: 500 to 9000 m/s

Accessories & Replacement Parts

TM-8811PROBE Replacement Probe

R9060 5-Step Calibration Block

R7950 Ultrasonic Couplant Gel

R7950/5L Ultrasonic Couplant Gel, 5L

R7950/12 Ultrasonic Couplant Gel, 12/pk

R8888 Medium Hard Carrying Case

CA-52A Soft Carrying Case

**TM-8811-KIT Ultrasonic Thickness Gauge with 5-Step Calibration Block****Includes the following**

- TM-8811 Ultrasonic Thickness Gauge
- R9060 5-Step Calibration Block

**R7800 Coating Thickness Gauge****Features**

- Automatically detects ferrous and non-ferrous substrate
- Easy-to-read color LCD display
- 360° screen rotation allows users to view measured readings from any angle
- Internal memory stores up to 500 groups of data
- Includes ferrous and non-ferrous substrates, 5 reference films, USB cable, wrist strap, sensor cover, batteries and carrying case

Specifications

Measuring Range: 0 to 1250μm, 0 to 49.2mils

Accuracy: ±3% +1μm, ±3% +0.04mils

Min. Area Diameter: 20mm (787.4mils)

Min. Substrate Thickness: 0.5mm (19.69mils)

Display: 4-digit color LCD display

Resolution 320 x 240 pixels

Accessories & Replacement Parts

R9050 Coating Thickness Calibration Kit

R8888 Medium Hard Carrying Case

CA-52A Soft Carrying Case



**CM-8822 Coating Thickness Gauge****Features**

- Measure the thickness of non-magnetic coatings on magnetic or non-magnetic metal substrates
- Choice of remote probe; F probe measures the thickness of non-magnetic coatings on magnetic metal substrates; N probe measures the thickness of non-magnetic coatings on non-magnetic metal substrates
- Automatic probe recognition
- Zero button for quick adjustment in the field
- Includes ferrous probe, non-ferrous probe, calibration standards, battery and hard carrying case

Specifications

Measuring Range: 0 to 1000µm, 0 to 40mil
Accuracy: <100µm: ±2µm; >100µm: ±3% of rdg.

Accessories & Replacement Parts

CM-8822FPROBE Replacement Ferrous Probe

CM-8822NPROBE Replacement Ferrous Probe

R9050 Coating Thickness Calibration Kit

R8888 Medium Hard Carrying Case

CA-52A Soft Carrying Case

**HT-6510A Shore A Durometer****Features**

- Digital durometer for Shore A hardness testing
- Designed to measure the penetration hardness of rubber, elastomers and other rubber like substances such as neoprene, silicone and vinyl
- Meets DIN 53505, ASTM D2240, ISO 7619 and JISK 7215
- Measures maximum value
- Push button zero calibration
- Includes wrist strap, test block, batteries and hard carrying case

Specifications

Measuring Range: 0 to 90HA
Deviation: ±1HA

Accessories & Replacement Parts

R8888 Medium Hard Carrying Case

**R9030 Pen-Style Hardness Tester****Features**

- Rebound hardness testing is particularly useful for large, coarse grained materials, forged parts and all types of cast materials
- Capable of automatically converting and displaying measurements in 7 types of hardness scales: Rockwell (HRC, HRB, HRA), Brinell (HB), Leeb (HL), Vickers (HV) and Shore (HS)
- Internal memory with real-time clock stores up to 350 measurements
- Operates on a rechargeable lithium battery
- Includes universal D impact device, small supporting ring, Leeb test block, nylon brush, battery charger, data processing software, communication cable and carrying case

Specifications

Hardness Scale: HL, HRC, HRB, HRA, HV, HB, HS

Measuring Range: HLD: 170 to 960; HRA: 59 to 85; HRB: 13 to 100;
HRC: 20 to 68; HB: 19 to 651; HV: 80 to 967; HS: 30 to 100

Measuring Direction: 360°

Accessories & Replacement Parts

R8888 Medium Hard Carrying Case

**R7700 Gloss Meter****Features**

- Designed to meet international gloss measurement standards (ASTMD523, ASTMD1455, ASTM C584 and ASTMD2457)
- Multi-angle measurement (20°/60°/85°)
- Internal memory stores last 254 data points
- Includes AC adapter, calibration standard, cleaning cloth and hard carrying case

Specifications

Measuring Range: 0.1 to 200GU
Measuring Geometry: 20°/60°/85°
Accuracy: ±1.0 GU
Resolution: 0.1 GU
Repeatability: ±0.5 GU
Measuring Area: 7x14mm (Ellipse)
Display: LCD
Backlit Display: Yes

**R7010 Vibration Meter****Features**

- Measures velocity, acceleration and displacement to determine vibration level
- 360° screen rotation allows users to view measured readings from any angle
- Easy-to-read color LCD display
- Built-in LED flashlight
- Rechargeable li-ion battery
- Interchangeable short and long probes to meet application requirements
- Low battery indication and auto shut-off
- Includes long probe, short probe, USB cable, carrying case

Specifications

Acceleration Range: 0.1 to 199.9 m/s²
Resolution: 0.1m/s²
Accuracy: ±(5% rdg. + 2 dgt)
Frequency Range: LO: 10Hz - 1kHz HI: 1kHz - 15kHz
Velocity Range: 0.1 to 199.9 mm/s
Resolution: 0.1 mm/s
Accuracy: ±(5% rdg. + 2 dgt)
Frequency Range 10Hz - 1.5kHz
Displacement Range: 0.001 to 1.999mm
Resolution: 0.001mm
Accuracy: ±(10% rdg. + 2 dgt)
Frequency Range 10Hz - 1kHz

Response Time: 1 sec

Display: 2.4" TFT Color LCD

Accessories & Replacement Parts

R7010-RTIP Replacement Tips

**R7000SD Data Logging Vibration Meter****Features**

- Measures vibration levels in machinery by measuring velocity and acceleration
- 10Hz to 1kHz frequency range
- RMS, Peak hold, and Max/Min record
- Real-time data logger with integrated SD memory card (sold separately)
- Just plug the SD card into the computer and it downloads directly to Excel
- Includes vibration sensor, batteries and hard carrying case

Specifications

Velocity Range: 0.5 to 199.9 mm/s;
0.05 to 19.99 cm/s; 0.02 to 7.87 in/s
Acceleration Range: 0.5 to 199.9 m/s²;
0.05 to 20.39g; 2 to 656 ft/s²

Accessories & Replacement Parts

R7000SDPROBE Vibration Probe

R7000SD-PROBE-BASE Magnetic Base

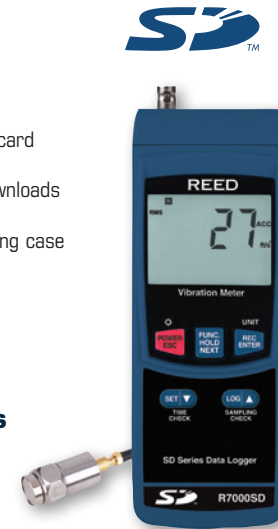
RSD-ADP-NA Power Supply, 110V

R1500 Tripod

RSD-16GB 16GB Micro SD memory Card w/Adapter

R8888 Medium Hard Carrying Case

CA-05A Soft Carrying Case

**R7000SD-KIT Data Logging Vibration Meter with Power Adapter and SD Card****Includes the following**

- R7000SD Data Logging Vibration Meter
- RSD-16GB 16GB Micro SD Memory Card w/Adapter
- RSD-ADP-NA AC Power Adapter

**SD-6020 Data Logging Force Gauge, 44lbs (20kg)****Features**

- Measures tension and compression forces up to 20kg
- Force is measured in kg, lb or Newtons
- Data Record in Peak hold or Normal mode
- Fast/Slow response selection
- Full capacity tare (zero) capability
- Easy-to-read backlit display is reversible to ensure readings are always legible
- Real time data logger with integral SD memory card
- Includes flat head, cone head, chisel head and hook adapters, 120mm extension rod, batteries and carrying case

Specifications

Measuring Capacity: 20.00kg / 44.10lb / 196.12N
Full Scale Deflection: 0.4mm max.
Sampling Time: Normal: 1 second to 8 hours;
Peak hold: 10 to 500ms

Accessories & Replacement Parts

RSD-16GB 16GB Micro SD memory Card w/Adapter

RSD-ADP-NA Power Supply, 110V

RSD-ADP-EU AC Adapter, 220V

R8888 Medium Hard Carrying Case

**SD-6100 Data Logging Force Gauge, 220lbs (100kg)****Features**

- Measures tension and compression forces up to 100kg
- Force is measured in kg, lb or Newtons
- Data Record in Peak hold or Normal mode
- Fast/Slow response selection
- Full capacity tare (zero) capability
- Easy-to-read backlit display is reversible to ensure readings are always legible
- Real time data logger with integral SD memory card
- Includes separate load cell sensor with 2 hooks and cable, batteries and carrying case

Specifications

Measuring Capacity: 100.0kg / 220.5lb / 980.6N
Full Scale Deflection: Less than 1mm
Sampling Time: Normal: 1 second to 8 hours;
Peak hold: 10 to 500ms

Accessories & Replacement Parts

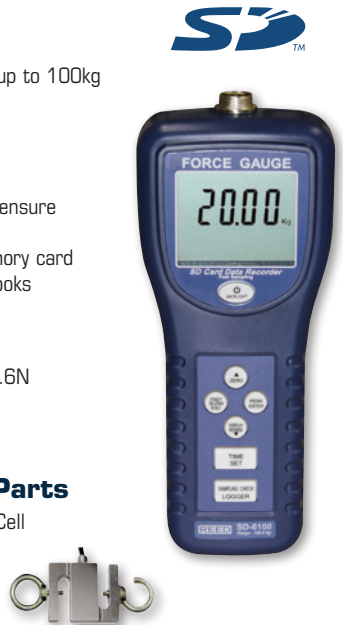
SD-6100-LOADCELL Replacement Load Cell

RSD-16GB 16GB Micro SD memory Card w/Adapter

RSD-ADP-NA Power Supply, 110V

RSD-ADP-EU AC Adapter, 220V

R8888 Medium Hard Carrying Case





R7100 Combination Contact /Laser Photo Tachometer

Features

- Dual function unit with both contact and non-contact capabilities
- Measure RPM (revolutions per minute) of rotational equipment and surface speed m/min (meters per minute) with included adapters
- Removable adapter for contact measurements
- Non-contact function utilizes laser light beam
- Internal memory recalls maximum, minimum values as well as last value stored
- Includes reflective tape, large and small cone tip adapters, funnel adapter, wheel adapter, batteries and hard carrying case

Specifications

RPM Range (Contact): 0.5 to 19,999

RPM Range (Photo): 2.5 to 99,999

Surface Speed Range : 0.05 to 1,999.9 m/min

Target Distance: 1.6' (500mm) (Photo)

Accessories & Replacement Parts

R7100-ADP Replacement Contact Adapter

R7100-WHEEL Replacement Surface Wheel Adapter

R7100-TIP Replacement Cone Adapter

R7100-TIPL Replacement Cone Adapter, Large

R7100-FUNNEL Replacement Funnel Adapter

R7100-SHAFT Replacement Extension Shaft Adapter

RT100 Reflective Tape

R9940 Hard Shell Carrying Case

CA-05A Soft Carrying Case



R7110 Combination Contact and Laser Photo Tachometer

Features

- Dual function unit with both contact and non-contact capabilities
- Provides fast and accurate RPM (revolutions per min) measurements of rotating objects and surface speed measurements with included contact adapters
- Laser provides improved accuracy at a greater distance
- Internal memory recalls maximum, minimum, average values and last 10 data points
- Backlit and rotatable LCD Display
- Low battery indication and auto shut-off
- Includes contact adapter, large and small wheel adapters, funnel adapter, cone adapter, reflective tape, batteries, carrying case

Specifications

RPM Range (Non-Contact): 1 to 99,999

RPM Range (Contact): 1 to 19,999

Surface Speed Range : 0.1m Wheel: 0.1 to 1,999 m/min;
0.4 to 6,550 ft/min; 4-78,700 in/min; 6" Wheel: 0.15 to
1,524 m/min; 0.5 to 5,000 ft/min; 0-60,000 in/min

Accessories & Replacement Parts

RT100 Reflective Tape for Tachometers

CA-05A Soft Carrying Case



R7140 Combination Contact /Laser Photo Tachometer

Features

- Dual function unit with both contact and non-contact capabilities
- Provides fast and accurate RPM measurements of rotating objects and surface speed measurements MPM (meters per min) and FPM (feet per min)
- Internal memory holds last reading for 5 mins and recalls min/max and last value
- LCD Display reverses depending on measurement mode
- Includes reflective tape, large and small cone tip adapters, funnel adapter, wheel adapter, batteries, and hard carrying case

Specifications

RPM Range (Contact): 0.5 to 19,999

RPM Range (Photo): 2.5 to 99,999

Surface Speed Range: 0.05 to 1,999.9 m/min
(0.2 to 6,560 fpm)

Target Distance: 1.0' (300mm) (Photo)

Accessories & Replacement Parts

AS-35C Surface Speed Measuring Wheel

CONE Replacement Cone Tip

RT100 Reflective Tape

R9940 Hard Shell Carrying Case

CA-05A Soft Carrying Case



R7150 Professional Combination Contact/Laser Photo Tachometer

Features

- Dual function tachometer measures non-contact RPM with built-in laser and contact measurements with included adapters
- Surface speed measurements in fpm or mpm
- Class 2 red laser provides accurate measurements up to 6.5ft (2000mm) away from target
- LCD display reverses depending on measurement mode
- Retains Min/Max and last reading for later recall
- Includes 3 contact adapters (2 cones, 1 funnel), surface speed wheel, reflective tape, batteries and hard carrying case

Specifications

Range: Photo: 10 to 99,999 rpm; Contact: 0.5 to 19,999 rpm;

Surface Speed: 0.05 to 1,999.9 mpm (0.2 to 6560 fpm)

Detection Distance: 2.0" to 6.5' (50 to 2,000mm)

Accessories & Replacement Parts

AS-35C Surface Speed Measuring Wheel

CONE Replacement Cone Tip

RT100 Reflective Tape

R9940 Hard Shell Carrying Case

CA-05A Soft Carrying Case



R7050 Compact Photo Tachometer and Counter

Features

- Provides fast and accurate RPM measurements of rotating objects without contact and revolution count of moving objects
- Built-in laser pointer identifies target area
- Internal memory recalls maximum, minimum values as well as last value stored
- Durable double molded plastic housing
- Includes reflective tape, batteries and soft carrying case

Specifications

RPM Range (Photo): 2 to 99,999

REV Count Range: 1 to 99,999

Accessories & Replacement Parts

RT100 Reflective Tape

R9940 Hard Shell Carrying Case

CA-05A Soft Carrying Case



R7200 LED Stroboscope

Features

- Bright LED's with uniform light output
- High accuracy of $\pm 0.001\%$
- Rechargeable li-ion battery
- Extended battery life of 8 hours continuous use at 6,000 fpm/rpm
- Internal phase shifting allows target to be moved in increments
- Flash rate may be displayed in Flashes per Minute (FPM) or Flashes per Second (Hz)
- Multiplier (1x/10x/100x) push button allows for quick verification of actual RPM
- Easy to ready LCD display
- Low battery indicator
- Includes USB cable

Specifications

Measuring Range: 60 to 99999 fpm/rpm

Accuracy: $\pm 0.001\%$

Resolution: 1 fpm/rpm



SIDE-BY-SIDE COMPARISON

TACHOMETERS AND STROBOSCOPES





R3030 Digital Differential Pressure Manometer (30psi)

Features

- Digital display of gauge or differential pressure
- Select from one of 11 different pressure units: psi, kPa, mbar, bar, in Hg, mmHg, cmH₂O, inH₂O, ftH₂O, oz/in², kg/cm²
- Data Hold freezes the displayed reading
- Internal memory saves Max and Min measurements
- Includes 2 connection hoses, battery, and hard carrying case

Specifications

Pressure Range: 30.00 psi; 830.4 inH₂O; 2068 mbar; 206.8 kPa; 61.08 in Hg; 1551 mmHg; 480.0 oz/in²; 69.20 ftH₂O; 2101 cmH₂O; 2.109 kg/cm²; 2.068 bar
Maximum Pressure: 60 psi

Accessories & Replacement Parts

CA-05A Soft Carrying Case



R3100 Digital Differential Pressure Manometer (100psi)

Features

- Digital display of gauge or differential pressure
- Select from one of 11 different pressure units: psi, kPa, mbar, bar, in Hg, mmHg, cmH₂O, inH₂O, ftH₂O, oz/in², kg/cm²
- Data Hold freezes the displayed reading
- Internal memory saves Max and Min measurements
- Includes 2 connection hoses, battery, and hard carrying case

Specifications

Pressure Range: 100.0 psi; 2768 inH₂O; 6895 mbar; 689.5kPa; 203.6 in Hg; 5171 mmHg; 1600 oz/in²; 230.7 ftH₂O; 7004 cmH₂O; 7.031 kg/cm²; 6.895 bar

Accuracy: ±0.3% FS

Resolution: 0.1 psi, 2 inH₂O, 4 mbar / cmH₂O, 0.4 kPa, 0.2 inHg, 3 mmHg, 1 ozin², 0.2 ftH₂O, 0.004 kg/cm² / bar

Maximum Pressure: 150 psi

Response Time: 2 times/sec.

Accessories & Replacement Parts

CA-05A Soft Carrying Case



R3002 Digital Differential Pressure Manometer (5psi)

Features

- Measures gauge and differential pressure from 0 to 5 psi
- 11 selectable units of measure: psi, bar, mbar, kPa, in Hg, mmHg, oz/in², inH₂O, ftH₂O, cmH₂O, kg/cm²
- Max/Min/Avg record with time and date stamp
- Data Hold freezes the displayed reading
- Push button zero adjust and offset readings
- Includes USB cable, tubing, battery and hard carrying case

Specifications

Pressure Range: 5.000 psi; 138.3 inH₂O; 344.7 mbar; 34.47 kPa; 1.018 in Hg; 258.5 mmHg; 80.00 oz/in²; 11.53 ftH₂O; 351.5 cmH₂O; 0.351 kg/cm²; 0.344 bar

Accessories & Replacement Parts

R1500 Tripod

R8888 Medium Hard Carrying Case

CA-05A Soft Carrying Case



R3001 Pitot Tube Anemometer /Differential Manometer with Air Volume

Features

- Measure and display air velocity, air flow volume, pressure and ambient temperature with a single, compact unit
- Air velocity displayed in m/s, fpm, km/h, mph or knots
- Air flow volume displayed n cfm or cmm
- Pressure displayed psi, mbar, inH₂O, mmH₂O or Pa
- Max., Min., Avg., Relative and Data hold functions
- Push button calculation of rectangular or circular duct areas
- Zero button for offset correction or measurement
- Includes black and white silica tubes, Pitot tube, battery, power adapter, USB cable, CD software and carrying case

Specifications

Pressure Range: ±5000Pa; 0.752 psi; 50.00mbar; 20.07 inH₂O; 509.8 mmH₂O

Air Velocity Range: 1.00 to 80.00 m/s; 200 to 15,733 fpm; 3.6 to 288.0 km/h; 2.24 to 178.66 mph; 2.0 to 154.6 knots

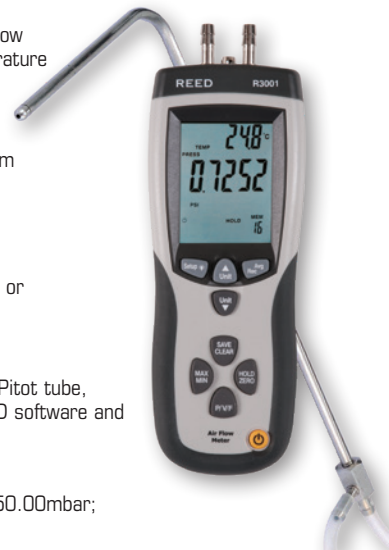
Air Flow Range: 0 to 99.999 ft³/min; 0 to 99.999 m³/min

Temperature Range: 32.0 to 122.0°F (0 to 50.0°C)

Accessories & Replacement Parts

R1500 Tripod

R8888 Medium Hard Carrying Case



LM-8000 LM-8000 Multi-Function Environmental Meter

Features

- Measures air velocity, ambient and contact temperatures, relative humidity, and light levels
- Measures air velocity in fpm, m/s, km/h, mph and knots
- Light levels are measured in foot-candles or lux
- Temperature is measured in °C or °F
- Data Hold and Max/Min functions
- Includes wrist strap and battery

Specifications

Air Velocity Range: 80 to 5910 fpm; 0.2 to 30.0 m/s; 1.4 to 108 km/h; 0.9 to 67.0 mph; 0.8 to 58.3 knots

Air Temperature Range: 14 to 122°F (-10 to 50°C)

Contact Temperature Range: -148 to 2372°F (-100 to 1300°C)

Humidity Range: 10 to 95% RH

Light Range: 0 to 20,000lux (0 to 2,000 Ft-cd)

Accessories & Replacement Parts

R2920 Surface Thermocouple Probe

R2930 Right Angle Thermocouple Probe

R2940 Air/Gas Thermocouple Probe

R2950 Immersion Thermocouple Probe

R2960 Needle Tip Thermocouple Probe

CA-52A Soft Carrying Case



R4700SD Data Logging Environmental Meter

Features

- Measures air velocity, ambient and contact temperature, relative humidity, and light
- Also measures sound level with optional adapter
- Air velocity is measured in m/s, ft/min, km/h, mph or knots
- Temperature is measured in °C or °F
- Light is measured in lux and Foot-candles
- Data hold and Max/Min record
- Real time data logger with integrated SD memory card (sold separately)
- Just plug the SD card into the computer and it downloads directly to Excel
- Includes multi-function probe, batteries and hard carrying case

Specifications

Air Velocity Range: 0.4 to 30.0 m/s; 1.4 to 108.0 km/h; 0.9 to 67.1 mph; 79 to 59060 fpm; 0.8 to 58.3 knots

Humidity Range: 0 to 95% RH

Light Range: 0 to 20,000lux (0 to 1,860 Ft-cd)

Air Temp. Range: 32 to 122.0°F (0 to 50°C)

Type K Temp.Range: -148.0 to 2372°F (-100.0 to 1300.0°C)

Type J Temp.Range: -148.0 to 2192°F (-100.0 to 1200.0°C)

Accessories & Replacement Parts

R4700SD-PROBE Replacement Probe

R4700SD-SOUND Sound Level Adapter

R2920 Surface Thermocouple Probe

R2930 Right Angle Thermocouple Probe

R2940 Air/Gas Thermocouple Probe

R2950 Immersion Thermocouple Probe

R2960 Needle Tip Thermocouple Probe

TP-01 Thermocouple Wire Probe

RSD-16GB 16GB Micro SD Memory Card w/Adapter

SW-U801-WIN Data Acquisition Software

RSD-ADP-NA Power Supply, 110V

RSD-ADP-EU Power Supply, 220V

R1500 Tripod

R8888 Medium Hard Carrying Case

CA-05A Soft Carrying Case



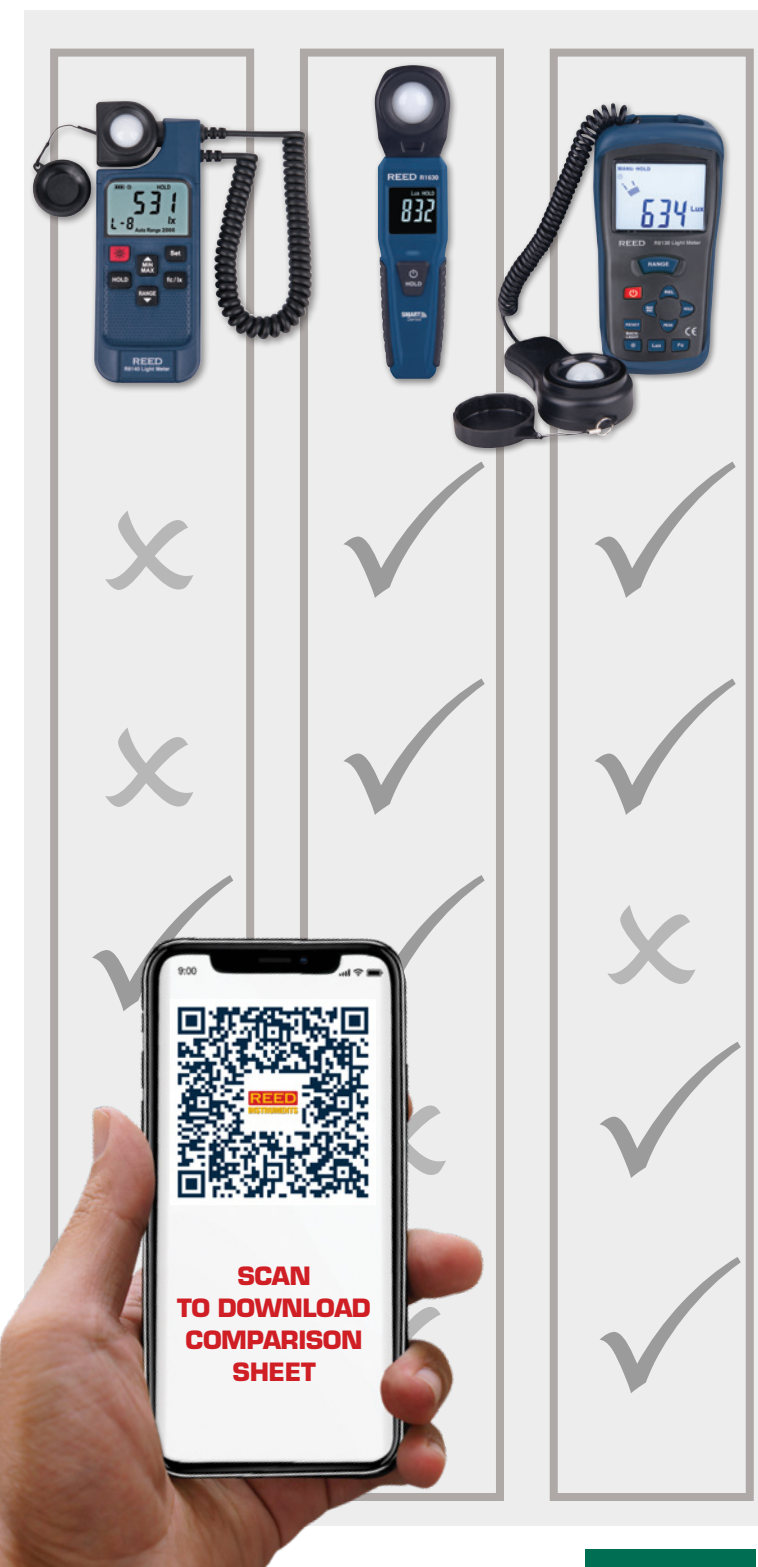
R4700SD-KIT Data Logging Environmental Meter with Power Adapter and SD Card

Includes the following

- R4700SD Data Logging Environmental Meter
- RSD-16GB 16GB Micro SD Memory Card w/ Adapter
- RSD-ADP-NA AC Power Adapter



SIDE-BY-SIDE COMPARISON LIGHT METERS





R1600 Vane Anemometer, Bluetooth Smart Series

Features

- Measures air velocity (m/s, ft/min, km/h, and mph), air temperature and humidity
- Easy to operate, designed for one-hand operation
- Integrated display provides flexibility for use without mobile device
- Magnetic backing allows instrument to be mounted to metallic surfaces
- Data Hold function
- Low battery indicator and auto shut-off
- Tripod mount for long-term monitoring
- Includes vane anemometer, 4 x AAA batteries, protective cap

Specifications

Air Velocity (Anemometer) Range: fpm: 118 to 4921; m/s: 0.6 to 25; km/h: 2.1 to 90; mph: 1.3 to 55.9
Temperature Range: -4 to 140°F (-20 to 60°C)
Humidity Range: 0 to 100% RH
Display Size: 1.3" (34mm)
Software: REED Smart Series App (iOS and Android)
App Supported Languages: English, French

Accessories & Replacement Parts

R1500 Tripod
R8888 Medium Hard Carrying Case
CA-52A Soft Carrying Case
TP-01 Thermocouple Wire Probe
R2920 Surface Thermocouple Probe
R2930 Right Angle Thermocouple Probe
R2940 Air/Gas Thermocouple Probe
R2950 Immersion Thermocouple Probe
R2960 Needle Tip Thermocouple Probe
R2970 Pipe Clamp Thermocouple Probe
R2980 Air Oven/Freezer Thermocouple Probe
CA-05A Medium Soft Carrying Case
R9933 Humidity Calibration Standard, 33%
R9975 Humidity Calibration Standard, 75%
R9980 Humidity Calibration Kit (33% and 75%)

R1600-KIT Data Logging Smart Series Vane Anemometer with Tripod and Carrying Case

Includes the following

- R1600 Vane Anemometer
- R1500 Tripod
- CA-05A Soft Carrying Case

R16X0-KIT3 Data Logging Bluetooth Smart Series HVAC/R Kit

Includes the following

- R1600 Vane Anemometer
- R1610 Thermo-Hygrometer
- R1640 Thermocouple Thermometer
- R2970 Type K Pipe Clamp Thermocouple Probe
- CA-05A Soft Carrying Case

SMART
Series



R4000SD Data Logging Vane Thermo-Anemometer

Features

- Measures air velocity, air temperature and contact temperature with a type J/type K thermocouple thermometer
- Low friction ball-bearing, rotating vane probe ensures high accuracy readings
- Air velocity is measured in m/s, fpm, km/h, mph or knots
- Min/Max and Data hold functions
- Real time data logger with integrated SD memory card (sold separately)
- Just plug the SD card into the computer and it downloads directly to Excel
- Includes rotating vane probe, batteries and hard carrying case

Specifications

Air Velocity Range: 0.4 to 30.0 m/s; 1.4 to 108.0 km/h; 0.9 to 67.1 mph; 79 to 5906 fpm; 0.8 to 58.3 knots
Air Temperature Range: 32 to 122°F (0 to 50°C)
Type K Temperature Range: -148.0 to 2372°F (-100.0 to 1300.0°C)
Type J Temperature Range: -148.0 to 2192°F (-100.0 to 1200.0°C)

Accessories & Replacement Parts

R4000SD-PROBE Replacement Probe
R2920 Surface Thermocouple Probe
R2930 Right Angle Thermocouple Probe
R2940 Air/Gas Thermocouple Probe
R2950 Immersion Thermocouple Probe
R2960 Needle Tip Thermocouple Probe
TP-01 Thermocouple Wire Probe
RSD-16GB 16GB Micro SD Memory Card w/Adapter
SW-U801-WIN Data Acquisition Software
RSD-ADP-NA Power Supply, 110V
RSD-ADP-EU Power Supply, 220V
R1500 Tripod
R8888 Medium Hard Carrying Case
CA-05A Soft Carrying Case

R4000SD-KIT Data Logging Vane Thermo-Anemometer with Power Adapter and SD Card

Includes the following

- R4000SD Data Logging Thermo-Anemometer
- RSD-16GB 16GB Micro SD Memory Card w/ Adapter
- RSD-ADP-NA AC Power Adapter

R4000SD-KIT2 Data Logging Vane Thermo-Anemometer with Tripod, SD Card and Power Adapter

Includes the following

- R4000SD Data Logging Thermo-Anemometer
- RSD-16GB 16GB Micro SD Memory Card w/ Adapter
- RSD-ADP-NA AC Power Adapter
- R1500 Tripod

SD



R4100 Vane Thermo-Anemometer with Air Volume

Features

- Measures fpm, m/s, km/h, mph, knots and Beaufort
- Calculates air volume (CFM/CMM)
- Dual LCD display simultaneously displays air velocity and air temperature
- Basic accuracy of $\pm 3\%$
- Internal memory up to 99 datapoints
- Min/Max/Avg and Data Hold Functions
- Low battery indicator and auto shut-off
- Includes carrying case and batteries

Specifications

Measuring Range: fpm: 79 to 5866;
m/s: 0.4 to 30; km/h: 1.5 to 106;
mph: 0.9 to 66; knots: 0.8 to 58;
Beaufort: 1 to 8;
Temperature: -4 to 140°F (-20 to 60°C)
Vane Diameter: 1.96" (50 mm)

Accessories & Replacement Parts

R4100-PROBE Replacement Rotating Vane Probe

R4500SD Data Logging Hot Wire Thermo-Anemometer

Features

- Measures air velocity, air temperature and contact temperature measurement with optional type J/K thermocouple probe
- Thermistor sensor for fast air temperature readings
- Hot wire probe for precise low air velocity measurement
- Min/Max and Data hold functions
- Real time data logger with integrated SD memory card (sold separately)
- Just plug the SD card into the computer and it down-loads directly to Excel
- Includes rotating vane probe, batteries and hard carrying case

Specifications

Air Velocity Range: 0.2 to 25.0 m/s; 0.7 to 90.0 km/h; 0.5 to 55.9 mph; 40.0 to 4921.0 fpm; 0.4 to 48.6 knots
Air Temperature Range: 32 to 122°F (0 to 50°C)
Type K Temperature Range: -148.0 to 2372°F (-100.0 to 1300.0°C)
Type J Temperature Range: -148.0 to 2192°F (-100.0 to 1200.0°C)

Accessories & Replacement Parts

R4500SD-PROBE Replacement Probe
R2920 Surface Thermocouple Probe
R2930 Right Angle Thermocouple Probe
R2940 Air/Gas Thermocouple Probe
R2950 Immersion Thermocouple Probe
R2960 Needle Tip Thermocouple Probe
TP-01 Thermocouple Wire Probe
RSD-16GB 16GB Micro SD Memory Card w/Adapter
RSD-ADP-NA Power Supply, 110V
RSD-ADP-EU Power Supply, 220V
R1500 Tripod
R8888 Medium Hard Carrying Case
CA-05A Soft Carrying Case

R4500SD-KIT Data Logging Hot Wire Thermo-Anemometer with Power Adapter and SD Card

Includes the following

- R4500SD Data Logging Thermo-Anemometer
- RSD-16GB 16GB Micro SD Memory Card w/ Adapter
- RSD-ADP-NA AC Power Adapter

R4500SD-KIT2 Data Logging Hot Wire Thermo-Anemometer with Tripod, SD Card and Power Adapter

Includes the following

- R4500SD Data Logging Thermo-Anemometer
- RSD-16GB 16GB Micro SD Memory Card w/ Adapter
- RSD-ADP-NA AC Power Adapter
- R1500 Tripod



SIDE-BY-SIDE COMPARISON ANEMOMETERS





R1630 Light Meter, Bluetooth Smart Series

Features

- Measures up to 100,000lux (9290 Fc)
- Easy to operate, designed for one-hand operation
- Integrated display provides flexibility for use without a mobile device
- Magnetic Backing allows the instrument to be mounted to metallic surfaces
- Data Hold function
- Low battery indicator and auto shut-off
- Tripod mount for long-term monitoring
- Includes 4 x AAA batteries

Specifications

Measuring Range: 0 to 100,000lux; 0 to 9290 Fc
Accuracy: $\leq 10,000\text{lux}$ (929 Fc): $\pm(3.5\% \text{ rdg.} + 10 \text{ dgt})$;
 $> 10,000\text{lux}$ (929Fc): $\pm(5\% \text{ rdg.} + 10 \text{ dgt})$
Resolution: Lux: 0.1, 1, 10, 100; Fc: 0.1, 1, 10
Display: Enhanced Black Twisted Nematic (EBTN) LCD

Accessories & Replacement Parts

R1500 Tripod
R8888 Medium Hard Carrying Case
CA-52A Soft Carrying Case

SMART
Series



R1630-KIT Data Logging Smart Series Light Meter with Tripod and Carrying Case

Includes the following

- R1630 Light Meter
- R1500 Tripod
- CA-05A Soft Carrying Case



R8140 LED Light Meter

Features

- Measures ambient light levels of white, red, yellow, green and blue LED light and visible light in Foot-candles or Lux
- Cosine and color corrected measurements
- User adjustable parameter for specialized light sources
- 6-digit, backlit LCD display
- Min/Max and data hold functions
- Detachable and rotatable light sensor
- Includes sensor, sensor cover, battery and hard carrying case



Specifications

Measuring Range: 0 to 199,900lux; 0 to 19,990 Fc
Accuracy: Incandescent Light Source: $\pm(3\% \text{ rdg.} + 5 \text{ dgt})$;
Other Visible Light Source: $\pm 8\% \text{ rdg.}$
Angle deviation from cosine characteristics: $10^\circ \pm 1\%$; $30^\circ \pm 2\%$; $60^\circ \pm 5\%$; $80^\circ \pm 20\%$
Resolution: Lux: 0.1; Fc: 0.01
Response Time: 500mS
Sensor Type: Silicon photodiode with color correction filter and cosine correction
Light Types: White LED, Yellow LED, Green LED, Red LED, Blue LED, Warm White Fluorescent, Cold White Fluorescent Lamp, Incandescent

R8130 Light Meter

Features

- Measures light intensity up to 40,000 fc or 400,000lux
- Photo diode sensor with spectral response filter
- Easy-to-read backlit LCD display with 42-segment analog bargraph
- Min/Max and Relative Mode functions
- Peak and Data Hold
- Tripod mountable
- Includes sensor cover, protective holster, carrying case and battery

Specifications

Measuring Range: 0 to 400,000lux; 0 to 40,000Fc



R8100SD Data Logging Light Meter

Features

- Measures ambient light levels in Foot-candles or lux
- Photo diode and colour correction filters meet C.I.E. spectrum specifications
- Contact temperature measurement with a type J/K thermocouple option
- Temperature is measured in $^\circ\text{C}$ or $^\circ\text{F}$
- Min/Max and Data hold functions
- Real time data logger with integrated SD memory card (sold separately)
- Just plug the SD card into the computer and it downloads directly to Excel
- Includes detachable sensor, sensor cover, and batteries

Specifications

Light Range: 2,000, 20,000, 100,000lux;
200, 2,000, 10,000 Fc

Type K Temperature Range: -148.0 to 2372°F
(-100.0 to 1300.0°C)

Type J Temperature Range: -148.0 to 2192°F
(-100.0 to 1200.0°C)

Accessories & Replacement Parts

R8100SD-PROBE Replacement Probe

R2920 Surface Thermocouple Probe

R2930 Right Angle Thermocouple Surface Probe

R2940 Air/Gas Thermocouple Probe

R2950 Immersion Thermocouple Probe

R2960 Needle Tip Thermocouple Probe

TP-01 Thermocouple Wire Probe

RSD-16GB 16GB Micro SD Memory Card w/Adapter

RSD-ADP-NA Power Supply, 110V

RSD-ADP-EU Power Supply, 220V

R1500 Tripod

R8888 Medium Hard Carrying Case

CA-05A Soft Carrying Case

SD™



R8100SD-KIT Data Logging Light Meter with Power Adapter and SD Card

Includes the following

- R8100SD Data Logging Light Meter
- RSD-16GB 16GB Micro SD Memory Cardw/ Adapter
- RSD-ADP-NA AC Power Adapter



R8180 Solar Power Meter

Features

- Measures the solar power and transmission up to 2000 W/m^2 , $634 \text{ BTU/(ft}^2\text{xh)}$
- Easy-to-read display with remote sensor technology
- User-selectable W/m^2 or $\text{BTU/(ft}^2\text{xh)}$
- Max/Min and Data Hold functions
- Overrange indicator
- Low battery indicator and auto shut-off
- Includes sensor cap, carrying case, battery

Specifications

Measuring Range: 0 to 1999 W/m^2 ; 0 to $634 \text{ BTU/(ft}^2\text{xh)}$
Accuracy: $\pm 10 \text{ W/m}^2$; $\pm 3 \text{ BTU/(ft}^2\text{xh)}$ or $\pm 5\%$ whichever is greater in sunlight;
Additional temperature included error $\pm 0.38 \text{ W/m}^2/^\circ\text{C}$;
 $\pm 0.12 \text{ BTU/(ft}^2\text{xh)/}^\circ\text{F}$ ($^\circ\text{C}$) from 77°F (25°C)

Angular Accuracy: Cosine corrected $< 5\%$ for angles $< 60^\circ$

Resolution: 0.1, 1

Response Time: 250mS

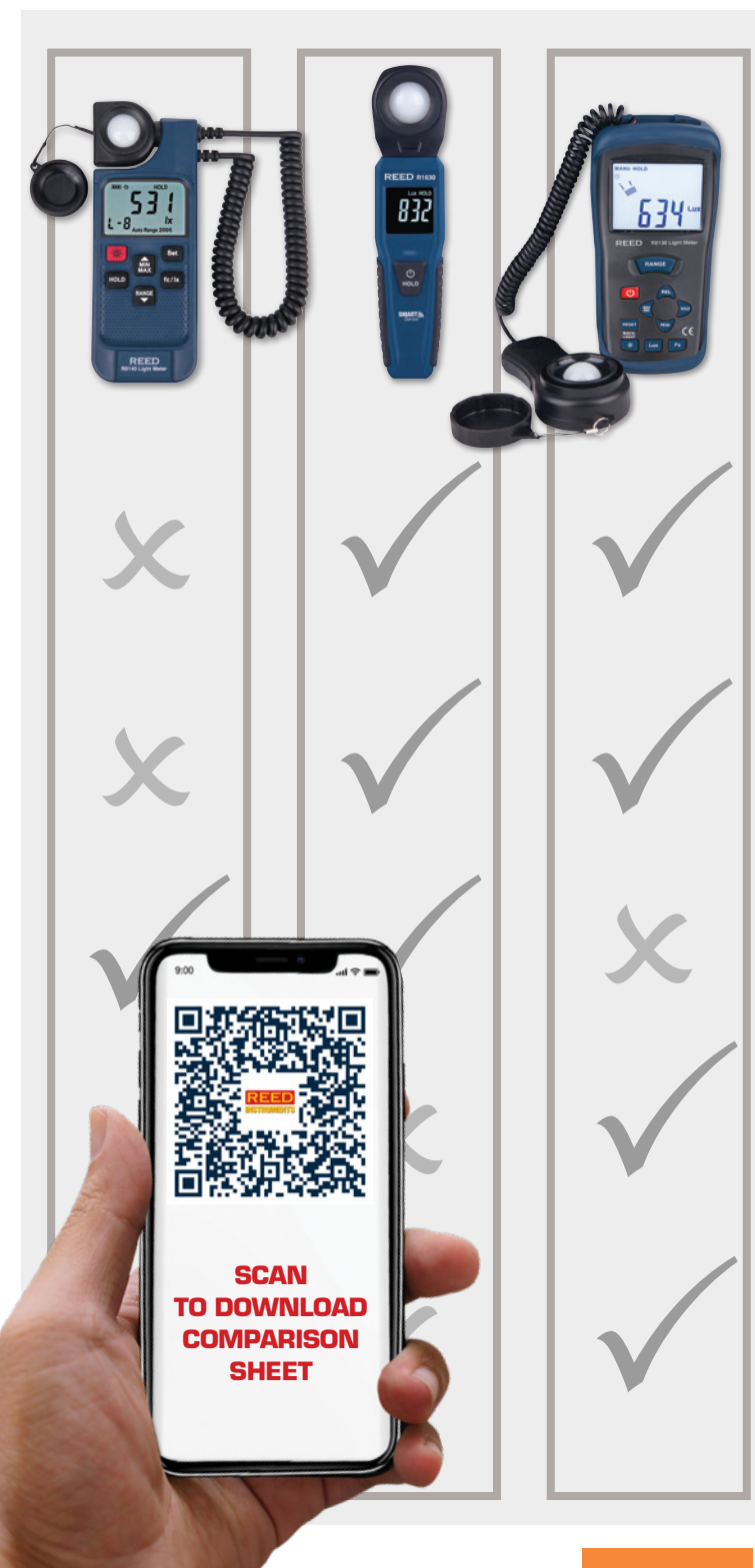
Display: $3\frac{1}{2}$ -Digit, LCD

Accessories & Replacement Parts

CA-05A Soft Carrying Case



SIDE-BY-SIDE COMPARISON LIGHT METERS





R8050 Dual Range Sound Level Meter

Features

- High accuracy of ± 1.4 dB meets Type 2 standards
- Dual range measurement (High and Low)
- A and C frequency weighting
- Fast and Slow time weighting
- Data hold and Max hold functions
- Includes microphone windshield ball, battery and carrying case

Specifications

Measuring Range: Low: 30-100dB; High: 60-130dB
Frequency Range: 31.5Hz to 8kHz

Accessories & Replacement Parts

R8090 Sound Level Calibrator
REED-WB Windshield Ball
R1300 Precision Screwdriver
R1500 Tripod
R8888 Medium Hard Carrying Case
CA-05A Soft Carrying Case



R8050-KIT Sound Level Meter and Calibrator Kit

Includes the following

- R8050 Sound Level Meter
- R8090 Sound Level Calibrator
- R8888 Medium Hard Carrying Case w/ custom foam insert



R8060 Sound Level Meter with Bargraph

Features

- Meets IEC 61672 Type 2 requirements
- Triple range measurement (60dB dynamic range)
- A and C frequency weighting
- Fast and Slow time weighting
- Easy-to-read backlit LCD display with digital analog bargraph
- Data hold and Max hold functions
- Includes microphone windshield ball, battery and hard carrying case

Specifications

Measuring Range: Low: 30-90dB; Medium: 50-110dB;
High: 70-130dB
Frequency Range: 20Hz to 8kHz

Accessories & Replacement Parts

R8090 Sound Level Calibrator
REED-WB Windshield Ball
R1500 Tripod



R8090 Sound Level Calibrator

Features

- Generates a stable acoustic signal at a controlled frequency and amplitude to verify the accuracy of your sound level meter
- Complies with IEC 942 Class 2
- Output sound pressure levels of 94dB and 114dB
- Accommodates sound meters with 1/2" diameter microphones

Specifications

Output Sound Pressure: 2 levels (94dB and 114dB)
Output Frequency: 1000Hz $\pm 4\%$



R8080 Data Logging Sound Level Meter with Bargraph

Features

- Meets IEC 61672 Type 2 requirements
- Triple range measurement (60dB dynamic range)
- A and C frequency weighting
- Fast and Slow time weighting
- Backlit LCD display with digital analog bargraph
- Data hold and Max hold functions
- Records up to 64,000 datapoints (1MB)
- Real time clock and calendar
- USB interface
- Includes microphone windshield ball, USB cable, Windows software, batteries and hard carrying case

Specifications

Measuring Range: Low: 30-90dB; Medium: 50-110dB;
High: 70-130dB
Dynamic Range: 60dB (in each range)
Accuracy: ± 1.4 dB
Resolution: Digital: 0.1dB; Analog: 2dB
Response Time: Digital: 500ms; Analog: 50ms
Frequency Range: 20Hz to 8kHz
Time Weighting: Fast/Slow (125ms and 1s)
Microphone: 0.5" (12.7mm) electret condenser
Digital Analog Bargraph: Yes (30 segment)
Display: 4-digit LCD
Selectable Sampling Rate: Yes (between 1s and 60s)

Accessories & Replacement Parts

R8090 Sound Level Calibrator
REED-WB Windshield Ball
R1500 Tripod
R8888 Medium Hard Carrying Case
CA-05A Soft Carrying Case



R8080-KIT Data Logging Sound Level Meter and Calibrator Kit

Includes the following

- R8080SD Data Logging Sound Level Meter
- R8090 Sound Level Calibrator
- R8888 Medium Hard Carrying Case



R8080-KIT2 Data Logging Sound Meter with Tripod Kit

Includes the following

- R8080SD Data Logging Sound Level Meter
- R1500 Tripod



R8070SD Data Logging Sound Level Meter

Features

- Complies with IEC61672 Class 2 requirements
- Triple range measurement (50dB dynamic range)
- A/C frequency weighting
- Fast/Slow time weighting
- Peak hold, Data hold and Max/Min record
- Easy to read LCD with backlight
- Real time data logger with integrated SD memory card (sold separately)
- Just plug the SD card into the computer and it downloads directly to Excel
- Includes windshield ball, soft carrying case and batteries

Specifications

Measuring Range: 30 to 130dB; Low: 30 to 80dB;
Med: 50 to 100dB; High: 80 to 130dB; Full: 30 to 130dB
Accuracy: 31.5Hz ± 3.0 dB; 63Hz ± 2.0 dB; 125Hz ± 1.5 dB;
250Hz ± 1.5 dB; 500Hz ± 1.5 dB; 1kHz ± 1.0 dB; 2kHz ± 2.0 dB;
4kHz ± 3.0 dB; 8kHz ± 5.0 dB
Resolution: 0.1dB
Response Time: 500ms
Frequency Range: 31.5Hz to 8kHz
Microphone: 0.5" (12.7mm) electret condenser
Selectable Sampling Rate: Yes (1, 2, 5, 10, 30, 60, 120, 300, 600, 1800, 3600 seconds)
AC Output Signal: 0.5Vrms (full scale of selected range)
AC Output Impedance: 600 ohms
AC Output Terminal: 3.5mm Stereo Jack

Accessories & Replacement Parts

R8090 Sound Level Calibrator
REED-WB Windshield Ball
RSD-16GB 16GB Micro SD Memory Card w/Adapter
RSD-ADP-NA Power Supply, 110V
RSD-ADP-EU Power Supply, 220V
R1500 Tripod
R8888 Medium Hard Carrying Case
CA-05A Soft Carrying Case



R8070SD-KIT Data Logging Sound Meter with Adapter and SD Card Kit

Includes the following

- R8070SD Data Logging Light Meter
- RSD-16GB 16GB Micro SD Memory Card w/ Adapter
- RSD-ADP-NA AC Power Adapter



R8070SD-KIT2 Data Logging Sound Meter with Tripod, SD Card and Power Adapter

Includes the following

- R8070SD Data Logging Light Meter
- RSD-16GB 16GB Micro SD Memory Card w/ Adapter
- RSD-ADP-NA AC Power Adapter
- R1500 Tripod



R1620 Sound Level Meter, Bluetooth Smart Series

Features

- High accuracy of ± 1.5 dB
- A & C frequency weighting
- Fast & Slow time weighting
- Easy to operate, designed for one-hand operation
- Integrated display provides flexibility for use without a mobile device
- Magnetic Backing allows the instrument to be mounted to metallic surfaces
- Data Hold function
- Low battery indicator and auto shut-off
- Includes windshield ball, 4 x AAA batteries

Specifications

Measuring Range: 30 to 130dB
Accuracy: ± 1.5 dB (at 1kHz)
Resolution: 0.1dB
Frequency Range: 31.5Hz to 8kHz
Microphone: 0.5" (12.7mm) electret condenser

Accessories & Replacement Parts

R8090 Sound Level Calibrator
R1500 Tripod
R1300 Precision Screwdriver
R8888 Medium Hard Carrying Case
CA-52A Soft Carrying Case
CA-05A Soft Carrying Case



R1620-KIT Data Logging Smart Series Sound Level Meter with Sound Level Calibrator, Precision Calibration Screwdriver and Carrying Case

Includes the following

- R1620 Sound Level Meter
- R8090 Sound Level Calibrator
- R1300 Precision Screwdriver
- CA-05A Soft Carrying Case



R1620-KIT2 Data Logging Smart Series Sound Level Meter with Tripod and Carrying Case

Includes the following

- R1620 Sound Level Meter
- R1500 Tripod
- CA-05A Soft Carrying Case



R16X0-KIT2 Data Logging Bluetooth Smart Series Environmental Kit

Includes the following

- R1600 Vane Anemometer
- R1620 Sound Level Meter
- R1630 Light Meter
- CA-05A Soft Carrying Case



**R8085 Noise Dosimeter****Features**

- Records sound levels (dB) and sound exposure (dose %) in order to determine an individual's sound exposure over an 8-hour period
- Designed to meet noise survey requirements for compliance with OSHA and CCOHS regulations
- Adjustable Criterion Level, Exchange Rate and Threshold
- A/C frequency weighting
- Fast/Slow time weighting
- USB interface with Windows compatible software to retrieve stored data (sold separately)
- Easy-to-read backlit LCD display with Data and Min/Max hold
- Includes microphone w/ clip, batteries, wrist strap, carrying case

Specifications

Measuring Range: Low: 35 to 80dB; High: 80 to 130dB;
Auto: 35 to 130dB; Dose: 70 to 130dB

Accessories & Replacement Parts

R8090 Sound Level Calibrator

R8085-MIC Replacement Microphone and Clip

R8085-PC PC Software

8085-USB USB Cable

R1500 Tripod

R8888 Medium Hard Carrying Case

CA-05A Soft Carrying Case

**R8085-KIT Noise Dosimeter Kit****Includes the following**

- 2 x R8085 Noise Dosimeter
- R8090 Sound Level Calibrator
- R8888 Medium Hard Carrying Case

**R8075 Sound Level Meter, Desktop/Wall Mount****Features**

- High accuracy of ± 1.4 dB meets Type 2 standards
- A & C frequency weighting
- Fast & Slow time weighting
- Digital analog bargraph
- 7" (178mm) high-resolution color TFT LCD (1024 x 600 pixels)
- User adjustable high and low alarms
- Internal 16GB memory stores data points in CSV format
- User selectable sampling rate from 1 second to 24 hours
- Internal time and date stamp
- Rechargeable Li-ion battery
- Built-in desk stand and wall mounting bracket
- Low battery indicator
- Includes windshield ball, USB cable, power adapter, wall mounting bracket

Specifications

Measuring Range: 30 to 130dB

Dynamic Range: 50 dB

Accuracy: ± 1.4 dB

Resolution: 0.1 dB

Response Time: 500 ms

Frequency Range: 31.5 Hz to 8 kHz

Selectable Sampling Rate: Yes (between 1 second and 24 hours)

Accessories & Replacement Parts

REED-WB Windshield Ball for Sound Level Meters

**SIDE-BY-SIDE COMPARISON
SOUND METERS****R9910SD Data Logging Air Quality Meter****Features**

- Measures CO₂, CO, O₂, humidity and temperature
- Records readings from 3 probes simultaneously
- Audible alarm setpoint
- Data hold and Max/Min record
- Real time data logger with integrated SD memory card (sold separately)
- Just plug the SD card into the computer and it downloads directly to Excel
- Includes humidity probe, CO probe, CO₂ probe, O₂ probe, batteries and hard carrying case

Specifications

CO₂ Range: 0 to 4,000 ppm

CO Range: 0 to 1,000 ppm

O₂ Range: 0 to 30% O₂

Humidity Range: 5 to 95% RH

Accessories & Replacement Parts

R9910SD-TH Replacement Temp/Humidity Probe

R9910SD-O2 Replacement Oxygen Probe

R9910SD-CO Replacement Carbon Monoxide Probe

R9910SD-CO2 Replacement Carbon Dioxide Probe

RSD-16GB 16GB Micro SD Memory Card w/Adapter

RSD-ADP-NA Power Supply, 110V

RSD-ADP-EU Power Supply, 220V **R1500** Tripod

R8888 Medium Hard Carrying Case **CA-05A** Soft Carrying Case

**R9910SD-KIT Data Logging Indoor Air Quality Meter Kit with Power Adapter and SD Card****Includes the following**

- R9910SD Data Logging IAQ Meter
- RSD-16GB 16GB Micro SD Memory Card w/ Adapter
- RSD-ADP-NA AC Power Adapter

**R9905 Data Logging Indoor Air Quality Meter****Features**

- Simultaneously monitors carbon dioxide (CO₂), relative humidity and temperature to help determine thermal comfort
- Displays STEL readings (Short-Term Exposure Limit) over a 15-minute period and TWA readings (Time-Weighted Average) over a period of 8 hours
- Low-drift NDIR CO₂ sensor for stable and accurate readings
- User adjustable audible alarm of excessive CO₂ concentrations
- Data Hold, maximum, minimum and average functions
- Record up to 32,000 datapoints with internal time and date stamp and user selectable sampling rate from 1 to 60 minutes
- Includes USB cable, batteries and hard carrying case

Specifications

CO₂ Range: 0 to 30,000 ppm

Temperature Range: -4 to 140°F (-20 to 60°C);

Humidity Range: 0 to 100% RH;

Accessories & Replacement Parts

R9905-PROBE Replacement Temp./Humidity Probe

R9933 Humidity Calibration Standard, 33%

R9975 Humidity Calibration Standard, 75%

**R9905-KIT Data Logging Indoor Air Quality Meter with Humidity Calibration Standards****Includes the following**

- R9905 Data Logging Indoor Air Quality Meter
- R9980 Humidity Calibration Kit (33% and 75%)

**R9920 Indoor Air Quality Meter, Desktop/Wall Mount****Features**

- Simultaneously monitors carbon dioxide (CO₂), temperature and relative humidity
- Low-drift NDIR CO₂ sensor for stable and accurate readings
- User selectable unit of measure (°C or °F)
- 7" (178mm) high-resolution color TFT LCD (1024 x 600 pixels)
- User adjustable high and low alarms
- Max/min display
- Internal 16GB memory stores data points in CSV format
- User selectable sampling rate from 1 second to 24 hours
- Internal time and date stamp
- Rechargeable li-ion battery
- Built-in desk stand and wall mounting bracket
- Low battery indicator
- Includes USB cable, power adapter, and wall mounting bracket

**Specifications**

CO₂ Range: 0 to 9999 ppm

Humidity Range: 0 to 100% RH

Temperature Range: 32 to 122°F (0 to 50°C)

Power Supply: 3000mAh rechargeable Li-ion battery/power adapter

USB Cable Length: 10' (3m)

R9930 Air Particle Counter**Features**

- Displays up to 6 particle sizes down to 0.3µm
- Ambient air temperature, humidity, dew point and wet bulb temperature measurement
- 2.8" TFT color LCD display
- Take photos and record video with built-in camera
- Selectable sampling time, count data, and programmable delay
- Export data to PC with included USB cable
- Low battery indicator and auto shut-off
- Includes air particle counter, AC adapter, USB cable, zero count filter, 7.4v lithium-ion battery, 8GB micro sd memory card and adapter, protective cap, factory calibration certificate, hard carrying case

Specifications

Particle Counter: Channels: 0.3, 0.5, 1, 2.5, 5, 10µm

Flow Rate: 0.1ft³ (2.83 L/min)

Air Temperature Range: 32 to 122°F (0 to 50°C)

Accessories & Replacement Parts

R9930-7.4V Replacement Battery

R9930-ADP Replacement Power Adapter

R8890 Large Hard Carrying Case

CA-05A Soft Carrying Case





R9400 Carbon Monoxide Meter with Temperature

Features

- Dual LCD display shows both carbon monoxide (CO) and temperature measurements
- Stabilized electrochemical CO specific sensor and thermistor temperature sensor
- Adjustable alarm limits
- Automatic zero point adjustment
- Self test sequence on start-up
- Max, Data hold and Auto shut-off
- Includes battery and carrying case

Specifications

CO Range: 1 to 1000 ppm

Temperature Range: -4 to 158°F (-20 to 70°C)

Accessories & Replacement Parts

CA-52A Soft Carrying Case



R9450 Carbon Monoxide Monitor with Temperature and Humidity

Features

- Measures carbon monoxide (CO), air temperature and relative humidity
- Manual CO calibration to zero
- User adjustable alarm limit
- Built-in clock and calendar
- Max hold function
- Can be mounted on a wall or placed on a desktop
- Includes batteries

Specifications

CO Range: 1 to 999 ppm

Temperature Range: 32 to 122°F (0 to 50°C)

Humidity Range: 10 to 90% RH

Accessories & Replacement Parts

R9450-ADP International AC Adapter



R9300 Combustible Gas Leak Detector

Features

- Detects a wide range of combustible gases including: gasoline, propane, natural gas and fuel oil
- User adjustable sensitivity wheel
- Audible (variable tick rate) and visual (tricolour LED) alarm indicators
- User replaceable heated semiconductor gas sensor
- 16" (406mm) gooseneck for hard to reach areas
- Earphone jack for loud environments (not included)
- Includes batteries and soft carrying case

Specifications

Detected Gases: Methane, Natural Gas, Benzene, Ethane, Propane, Butane, Acetone, Alcohol, Ammonia, Gasoline, Jet Fuel, Industrial Solvents, Lacquer, Paint Thinner, Naptha

Sensitivity: 50 ppm methane

Alarm Limit: At 10% LEL for methane (can be calibrated for other concentrations or gases up to 40% LEL)

Accessories & Replacement Parts

R9300-RS Replacement Sensor Tip

LC-R01 Replacement Reference Leak Source

CA-05A Soft Carrying Case



C-383 Combustible Gas Leak Detector

Features

- Detects a wide range of combustible gases including: gasoline, propane, natural gas and fuel oil
- Ambient concentration reset function
- User adjustable sensitivity (High/Low)
- Audible (buzzer) and visual (tri-color LED) alarm indicators
- Self test sequence on start-up
- User replaceable sensor
- 15" (390mm) gooseneck probe for hard to reach areas
- Includes reference leak source, batteries and hard carrying case

Specifications

Sensitivity: Variable, as low as 5 ppm (gasoline)

Alarm Settings: 7 LED tricolor bar indicator; variable intensity audible alarm

Accessories & Replacement Parts

S-100B Replacement Sensor Tip

R8888 Medium Hard Carrying Case

LC-R01 Replacement Reference Leak Source



C-380 Refrigerant Leak Detector

Features

- Detects all CFCs, HFCs, and HCFCs
- Quick response and high accuracy to detect small leaks
- User adjustable sensitivity (High/Low)
- Audible (buzzer) and visual (tri-color LED) alarm indicators
- User replaceable sensor
- 15" (390mm) gooseneck probe for hard to reach areas
- Includes reference leak source, batteries and hard carrying case

Specifications

Detected Gases: CFC's: R11, R12, R13; HCFC's: R22, R502, R500; HFC's: R134a, R123, R125, R23, R404A, R407C, R410A and other halogen based compounds

Sensitivity: R22, 134A: 6 g/yr (H), 30 g/yr (L); R404A, 407C, 410A: 8 g/yr (H), 40 g/yr (L)

Accessories & Replacement Parts

R-134A Replacement Sensor Tip

LC-R01 Replacement Reference Leak Source

R8888 Medium Hard Carrying Case



R9350 R9350 Ammonia Gas Detector, 0 to 100ppm

Features

- 0 to 100 ppm detection range with built-in pump
- Easy-to-read 2.8" (71mm) LCD color screen
- User selectable unit of measure (ppm, mg/m³)
- Real-time clock and date stamp
- Certified safe for hazardous environments (Ex ib IIC T4 Gb/ Ex ib IIIC T130°C Db)
- Audible, visual, and buzzer alarms
- Telescopic Probe extends up to 3.5' (1.06m)
- Rechargeable li-ion battery
- Low battery indicator and auto shut-off
- Includes power adapter, filters, telescopic probe and carrying case

Specifications

Range: 0 to 100 ppm

Pump Pressure: 90 to 110kPa

Test Run Time: ~90 seconds



R9100 Ultrasonic Leak Detector

Features

- Locates leaks generated by pressure, vacuum, water, gas or air
- Transmitter generates a 40kHz signal to help pinpoint leaks
- Visible (LED) and audible (ticking) alarms assist
- User adjustable sensitivity wheel
- Earphone jack for loud environments
- Includes transmitter, receiver, headphones, batteries and carrying case

Specifications

Receiver Frequency Response: 40kHz ±2kHz

Sensitivity Adjustment: Yes (wheel)

Alarm: Audible (Ticking) / Visual (LED)

Earphone Jack: Yes (Earphones included)

Transmitter Output Frequency: 40kHz

Power Indicator:LED



R9200 Microwave Leakage Detector

Features

- Detect very low levels of microwave leakage
- Audible (beep) and visual (flashing red light) alarm signals
- Max hold function and Zero button
- Highly visible 4-digit LCD with backlight
- Includes battery and soft carrying case

Specifications

Measuring Range: 0 to 9.99 mW/cm²

Alarm Level: 5.0 mW/cm²

Accessories & Replacement Parts

CA-52A Soft Carrying Case



R8008 Portable Radiation Dosimeter

Features

- Detects Alpha, Beta, Gamma, and X radiation
- Accumulation and conversion of radiation detection values
- Average time and pulse counting functions
- Large backlit LCD display with bargraph indicator
- User-adjustable alarms (audio/visual indicators)
- Internal memory stores up to 4000 groups of data internally
- Bluetooth connectivity wirelessly streams data to computer
- Includes software, batteries and hard carrying case

Specifications

Radiation Dose Rate Range: 0.0001 - 1000 µSv/h

Pulse Dose Rate Range: 0 - 4000 cpm/cps

Accumulated Radiation Dose Value: 0.001 µSv - 9999 Sv

Accumulated Pulse Dose Rate: 0 - 9999

Accessories & Replacement Parts

CA-05A Soft Carrying Case



R9260 Radiation Dose Meter

Features

- Detects Beta, Gamma, and X radiation
- Measures dose rate in real-time and records total doses
- Automatic selection of measurement range
- User-adjustable alarms (audio/visual indicators)
- Internal memory stores up to 10 groups of data internally
- Auto shut-off and low battery indicator
- Includes USB cable, lanyard, carrying case

Specifications

Sensor Type: G-M Counter Tube

Measured Rays: Beta, Gamma, X

Radiation Dose Range: 0.05 µSv/h to 50 mSv/h

Accumulated Radiation Dose Value: 0.1µSv to 9999 mSv

Accuracy: ≤25%

Energy Range: 80keV to 1.5MeV

Source: Cs-137

Response Time: ≤10 seconds

Natural Environment Reading: 0 to 0.2µSv/h

Accessories & Replacement Parts

CA-05A Soft Carrying Case



R9230 Multi-Field EMF Meter

Features

- Magnetic field, electric field, and radio frequency (RF) strength measurements
- 2.4" (60.96mm) 240 x 320 pixels color TFT display
- Triple axis (X, Y, Z) RF, EMF and ELF sensor
- Audible alarm
- Data Hold and Min/Max functions
- Low battery indicator and auto shut-off
- Includes batteries

Specifications

RF Strength Range: 30 mV/m to 11 V/m; 0.02 to 32 µW/cm²;

2.3 µW/m² to 320.9 mW/m²; 0.07 to 29.1 mA/m

Frequency Range: 50 MHz to 3.5 GHz

Accuracy: ±1dB at 1V/m and 900MHz

Resolution: 0.01, 0.1mV/m/0.01V/m, 0.01, 0.1µW/cm2

0.1, 1µW/m2/0.1mW/m2, 0.01, 0.1mA/m

Magnetic Field Range: 200 to 2000mG; 20 to 200µT

Frequency Range: 50 Hz to 60 Hz

Accuracy: ±12% rdg +5 dgt

Resolution: 0.01µt, 0.1µT, 0.1, 1mG

Electric Field Range: 50 to 2000 V/m

Frequency Range: 50 Hz to 60 Hz

Accuracy: ±10% rdg + 60 dgt

Resolution: 1 V/m

Sensor Type: Triple axis (X, Y, Z) RF, EMF and ELF sensor

Display: 2.4" (60.96 mm) TFT LCD display

Accessories & Replacement Parts

R1500 Tripod

CA-52A Soft Carrying Case





R8000 Distance Measuring Wheel

Features

- Measures in feet or meters
- Adds forward, subtracts in reverse
- Backlit LCD Display
- Internal memory stores up to 5 measurements
- Ergonomical pistol grip designed for comfort
- 12.5" diameter measuring wheel
- Telescopic handle
- Spring-loaded kick stand
- Includes soft carrying case and batteries

Specifications

Measuring Range: Up to 99999.9 (m/ft)
Accuracy: $\pm 0.5\%$



R8005 Laser Distance Meter, 164' (50m)

Features

- Designed for one-handed operation
- User selectable unit of measure (imperial/metric)
- Laser target pointer
- Reference point selection (front or rear of instrument)
- Quick, self calculation with real-time readout
- Backlit multi-line LCD display
- Area, Volume and Max/Min functions
- Addition, Subtraction and indirect 2/3 point (Pythagoras) calculations
- Integrated bubble level (horizontal and vertical)
- Continuous measurement mode
- Internal memory saves up to 99 readings
- Low battery indicator and auto shut-off
- Includes carrying case and batteries



Specifications

Measuring Range: 164' (50m)
Accuracy: $\pm(2.0\text{mm}+d \times 0.005\%)$
Laser Type: 630 to 670nm, $<1\text{mW}$

R8010 Laser Distance Meter, 328' (100m)

Features

- One-person distance measuring and estimating tool that measures difficult to reach places
- Reference point selection (front or rear of instrument)
- Quick calculation of area (square footage) and volume
- Easy addition and subtraction of measurements
- Pythagoras calculation for determining distance indirectly from two or three other measurements
- Maximum/Minimum measurements
- Continuous measurement mode
- User selectable unit of measure (imperial/metric)
- Backlit multi-line LCD display
- Internal memory saves up to 20 readings
- IP54 (dust and splash-proof)
- Includes wrist strap, screwdriver, batteries and soft carrying case



Specifications

Measuring Range: 1.92" to 328' (5cm to 100m)
Accuracy: $\pm 0.06"$ (1.5mm)
Laser Type: Class 2, $<1\text{mW}$, 630 to 670nm



R8500 Recordable Video Inspection Camera

Features

- High definition inspection scope detects and diagnoses problems without direct physical or visual access
- Camera and video functions save high resolution images (JPEG) and video (AVI)
- High resolution 2.5" color LCD monitor
- 9mm waterproof (IP67) camera head
- 39" (1m) gooseneck cable retains configured shape
- Cable expandable up to 30ft. (~9m) with extensions (optional)
- 180° mirror rotation function
- Four high visibility LED lights provide illumination in dimly lit environments
- Expandable memory up to 32Gb (SD card sold separately)
- Includes 9mm camera head, magnet, hook and mirror attachments, USB cable, batteries, and hard carrying case



Specifications

Camera Resolution: 640 x 480
Camera Diameter: 0.35" (9mm)
Short Distance Focus: 1.18 to 2.36" (3 to 6cm)
Depth of Field: 10mm to infinity
Viewing Angle: 0 to 180°
Display: 2.5" Color TFT LCD
Display Resolution: 480 x 240
Frames per Second (FPS): 30

Accessories & Replacement Parts



R8500-RCH



R8500-3MEXT



R8500-5M9MM



R8500-3.9MM



R8500-20M



R8500-ART



RSD-16GB

R8500-RCH

9mm Replacement Camera Head

R8500-3MEXT

9.8' (3M) Cable Extension

R8500-3.9MM

3.9mm Camera Head

R8500-5M9MM

9mm Camera Head on 16.4' (5M) Cable

R8500-20M

9.8mm Camera Head on 65.6' (20M) Cable Reel

R8500-ART

5.5mm Articulating Camera

RSD-16GB

16GB Micro SD Memory Card w/Adapter

R9000 Video Inspection Camera System

Features

- Portable inspection camera designed to deliver quality video inspection in a wide range of applications including: sewers, building ducts/piping, wells, and power plants
- System includes camera head, cable reel, battery pack and DVR
- Camera and video functions save high resolution images and records video/audio
- High resolution 16:9 7" TFT LCD display presents a live crisp color image at your fingertips
- Camera head contains 12 white LED light and a flexible spring coiled joint to navigate corners
- Scratch-resistant sapphire lens and a stainless steel housing allow the camera to withstand various hits
- Sun visor is included to act as a sun shield for outdoor inspections
- 65.6ft (20m) cable on a cable reel that is mounted and rotatable in the case
- Rechargeable lithium-ion battery and car charger
- Includes camera head, 20m cable reel and push cable, remote control, hard carrying case with built-in DVR, battery pack and cable, car charger, 2 fuses, 2 ball guides, plastic skid, 2 screws, 2 nuts, screwdriver, waterproof ring and adapters



Specifications

Camera Resolution: 800 x 480
Camera Diameter: 0.91" (23mm)
Short Distance Focus: 7.9 to 39.4" (20 to 100cm)
Depth of Field: 100cm to infinity
Viewing Angle: 0 to 140°
Display: 7" Color TFT LCD (16x9)
Display Resolution: 800 x 480
Frames per Second (FPS): 30

Accessories & Replacement Parts



R9000-RCH



R9000-CAMT



R9000-RCV



R9000-BALL



R9000-40M



R9000-20M



R9000-SKID



RSD-16GB

R9000-RCH

Replacement Camera Head

R9000-40M

Extended Length Cable 131.2' (40m)

R9000-20M

Replacement Cable 65.6' (20m)

R9000-CAMT

Camera Head with 512Hz Transmitter

R9000-RCV

Receiver, 512Hz

R9000-BALL

Replacement Ball Guide

R9000-SKID

Replacement Skid Guide

RSD-16GB

16GB Micro SD Memory Card w/Adapter

**R3500 pH Meter****Features**

- Dual LCD displays temperature and pH measurements
- User selectable °F or °C
- Data hold function
- Automatic temperature compensation
- Easily replaceable pH electrode module
- Protective cap keeps sensor moistened
- Waterproof housing
- Includes protective cap, batteries and hard carrying case

Specifications

pH Range: 0.00 to 14.00 pH

Temperature Range: 32 to 140°F (0 to 60°C)

Accessories & Replacement Parts

R3500-ELECTRODE Replacement pH Electrode

R1404 pH Buffer Solution, 4.01pH

R1407 pH Buffer Solution, 7.00pH

R1410 pH Buffer Solution, 10.00pH

R1420 Electrode Storage Solution

R1425 Electrode Cleaning Solution

CA-52A Soft Carrying Case

R3500-KIT pH Meter and 4pH/7pH Buffer Solution Kit**Includes the following**

- R3500 pH meter
- R1404 Buffer Solution, 4.01pH
- R1407 Buffer Solution, 7.00pH
- Carrying Case

R3510 Long Stem pH Meter**Features**

- Large, Clear LCD display
- Long 4.7" (119.4mm) pH probe
- Easy one-touch auto-calibration
- Data hold function
- Waterproof housing
- Protective cap keeps sensor moistened
- Low battery indicator and auto shut-off
- Includes electrode storage bottle, batteries

Specifications

pH Range: 0.00 to 14.00pH

Accessories & Replacement Parts

R1404 pH Buffer Solution, 4.01pH

R1407 pH Buffer Solution, 7.00pH

R1410 pH Buffer Solution, 10.00pH

R1420 Electrode Storage Solution

R1425 Electrode Cleaning Solution

CA-52A Soft Carrying Case

R3510-KIT Long Stem pH Meter and 4pH/7pH Buffer Solution Kit**Includes the following**

- R3510 Long Stem pH Meter
- R1404 Buffer Solution, 4.01pH
- R1407 Buffer Solution, 7.00pH

R3525 pH/mV Meter with Temperature**Features**

- Measures pH and mV levels in liquids
- Microprocessor provides automatic buffer solution recognition
- Dual LCD displays pH or mV and temperature simultaneously
- Automatic Temperature Compensation (ATC)
- User selectable °F or °C
- Designed for handheld or wall mount applications
- Replaceable electrode module
- Low battery indicator and auto shut-off
- Includes pH electrode, protective holster, 4 and 7pH buffer solution, mounting suction cup, battery

Specifications

pH Range: 0 to 14pH; -1999 to 2000mV

Temperature Range: 32 to 230°F (0 to 110°C)

Accessories & Replacement Parts

R3525-ELECTRODE pH Electrode

R3525-ELECTRODE2 ORP Electrode

R3525-ADP Power Adapter, 110V

R1404 pH Buffer Solution, 4.01pH

R1407 pH Buffer Solution, 7.00pH

R1410 pH Buffer Solution, 10.00pH

R1420 Electrode Storage Solution

R1425 Electrode Cleaning Solution

CA-05A Soft Carrying Case

R3525-KIT pH/mV Meter with Buffer Solution Kit**Includes the following**

- R3525 pH/mV Meter
- R1404 Buffer Solution, 4.01pH
- R1407 Buffer Solution, 7.00pH

R3525-KIT2 pH/mV Meter with Buffer Solution and Power Adapter Kit**Includes the following**

- R3525 pH/mV Meter
- R1404 Buffer Solution, 4.01pH
- R1407 Buffer Solution, 7.00pH
- R3525-ADP Power Adapter

R3525-KIT3 pH/mV Meter with ORP Electrode, pH/Conductivity Solutions and Power Adapter Kit**Includes the following**

- R3525 pH/mV Meter
- R3525-ELECTRODE2 ORP Electrode
- R1404 Buffer Solution, 4.01pH
- R1407 Buffer Solution, 7.00pH
- R1430 Conductivity Standard Solution

R3530 Conductivity/TDS/Salinity Meter**Features**

- Measures conductivity, total dissolved solids (TDS) and salt levels in a liquid
- Automatic temperature compensation
- Data hold and Min/Max functions
- User selectable °F or °C
- Waterproof housing meets IP57 standard

Specifications

Conductivity Range: 0 to 2000µS; 2 to 20mS

TDS (Total Dissolved Solids) Range: 0 to 1300ppm; 1.30 to 13ppt

Salinity Range: 0 to 1000ppm; 1 to 12ppt

Temperature Range: 32 to 194°F (0 to 90°C)

Accessories & Replacement Parts

R3530-AK Replacement Allen Key and Screws R3530-AK

R3530-ELECTRODE Conductivity/TDS/Salinity Electrode

R1430 Conductivity Standard Solution, 1413µS

CA-05A Soft Carrying Case

R3530-KIT Conductivity/TDS /Salinity Meter and Solution Kit**Includes the following**

- R3530 Conductivity/TDS/Salinity Meter
- R1430 Conductivity Standard Solution

R3100SD Data Logging Conductivity /TDS/Salinity Meter**Features**

- Measures conductivity, total dissolved solids (TDS) and salt levels in water
- Automatic temperature compensation
- Large, easy-to-read backlit LCD display
- Data hold and Min/Max functions
- Real time datalogger with integrated SD memory card (optional)

Specifications

Conductivity Range: 200µS/cm, 2mS/cm, 20mS/cm, 200mS/cm

TDS Range: 200, 2000, 20,000, 200,000 ppm

Salinity Range: 0 to 12% salt (% weight)

Accessories & Replacement Parts

R3100SD-PROBE Replacement Probe

R1430 Conductivity Standard Solution, 1413µS, 500ml

RSD-16GB 16GB Micro SD Memory Card w/ Adapter

RSD-ADP-NA Power Supply, 110V

RSD-ADP-EU Power Supply, 220V

R1500 Tripod

R8888 Medium Hard Carrying Case

CA-05A Soft Carrying Case

**R3100SD-KIT Data Logging Conductivity /TDS/Salinity Meter with SD Card, Power Adapter and Solution****Includes the following**

- R3100SD Data Logging Conductivity/TDS/Salinity Meter
- RSD-16GB 16GB Micro SD Memory Card w/ Adapter
- RSD-ADP-NA Power Adapter
- R1430 Conductivity Standard Solution

R3000SD Data Logging pH/ORP Meter**Features**

- Measures pH and ORP levels in water
- Manual or automatic temperature compensation (with optional ATC probe, R3000SD-ATC)
- 3-point calibration ensures best accuracy
- Accepts pH/ORP electrodes with BNC connector
- Real time datalogger with integrated SD memory card (optional)

Specifications

pH Range: 0.00 to 14.00pH

ORP Range: -1999 to +1999mV

ATC Range: Manual: 33.8 to 212°F (1 to 100°C); w/ R3000SD-ATC: 32 to 149°F (0 to 65°C)

Accessories & Replacement Parts

R3000SD-ATC Automatic Temperature Compensation Probe

R3000SD-PH2 General Purpose pH Electrode

R3000SD-ORP Professional ORP Electrode

R1404 pH Buffer Solution, 4.01pH

R1407 pH Buffer Solution, 7.00pH

R1410 pH Buffer Solution, 10.00pH

R1420 Electrode Storage Solution

R1425 Electrode Cleaning Solution

RSD-16GB 16GB Micro SD Memory Card w/Adapter

RSD-ADP-NA Power Supply, 110V

RSD-ADP-EU Power Supply, 220V

R1500 Tripod

R8888 Medium Hard Carrying Case

CA-05A Soft Carrying Case

R3000SD-KIT pH/ORP Meter Kit**Includes the following**

- R3000SD Data Logging pH/ORP Meter
- R3000SD-PH2 General Purpose pH Electrode
- R3000SD-ORP Professional ORP Electrode



R3000SD-KIT2 Data Logging pH/ORP Meter with Electrodes and Buffer Solution

Includes the following

- R3000SD Data Logging pH/ORP Meterr
- R3000SD-PH2 General Purpose pH Electrode
- R3000SD-ORP Professional ORP Electrode
- R1404 4.01pH Buffer Solution
- R1407 7.00pH Buffer Solution



R3000SD-KIT3 Data Logging pH/ORP Meter with Electrodes, Temperature Probe, SD Card and Power Adapter

Includes the following

- R3000SD Data Logging pH/ORP Meterr
- R3000SD-PH2 General Purpose pH Electrode
- R3000SD-ORP Professional ORP Electrode
- R3000SD-ATC ATC Temperature Probe
- RSD-16GB 16GB Micro SD Memory Card w/ Adapter
- RSD-ADP-NA Power Adapter



R9500 BRIX Refractometer, 0-32%

Features

- Measures the concentration of sugar in fruit juice (0 to 32% BRIX)
- Easy to operate with simple to read scales
- Requires only 2 or 3 drops of sample
- Automatic Temperature Compensation (ATC)
- Prism and lens with a simple focus adjustment provides repeatable results
- Calibrated to sucrose content contained in 100g of cane sugar
- Includes cover plate, calibration screwdriver, cleaning cloth, solution/sample applicator and hard carrying case

Specifications

Measuring Range: 0 to 32% (BRIX)
ATC Range: 10 to 30°C

Accessories & Replacement Parts

RPDPA1 Lens Cover



R9700 Battery/Antifreeze Refractometer

Features

- Measures the freezing point of automotive coolants plus battery charge condition
- Provides accurate and repeatable measurements of % Ethylene Glycol and Propylene Glycol and C° on easy to read scale
- Requires only 2 or 3 drops of sample
- Automatic Temperature Compensation (ATC)
- Prism and lens with a simple focus adjustment provides repeatable results
- Includes cover plate, calibration screwdriver, cleaning cloth, solution/sample applicator and hard carrying case

Specifications

Measuring Range: -50 to 0°C
Specific Gravity of Battery Acid: 1.15 to 1.30
ATC Range: 10 to 30°C

Accessories & Replacement Parts

RPDPA1 Lens Cover



R9510 Digital Refractometer

Features

- 0 to 55% Brix measurement range with 0.1% resolution
- Ergonomically designed for one-handed operation
- Dual LCD simultaneously displays % Brix and temperature
- Sapphire prism with abrasion and corrosion-resistant coating
- Automatic Temperature Compensation (ATC)
- Built-in Zero calibration
- Rechargeable battery
- Includes USB cable, cleaning cloth, and solution/ sample applicator

Specifications

Measuring Range: 0 to 55% (BRIX)
ATC Range: 10 to 40°C

Accessories & Replacement Parts

CA-52A Soft Carrying Case



R9600 Salinity Refractometer

Features

- Measures the concentration of dissolved salt in water (0 to 28% Salinity)
- Easy to operate with simple to read scales
- Requires only 2 or 3 drops of sample
- Automatic Temperature Compensation (ATC)
- Prism and lens with a simple focus adjustment provides repeatable results
- For measuring the concentration of natural or artificial seawater in aquariums, holding tanks, and breeding ponds
- Includes cover plate, calibration screwdriver, cleaning cloth, solution/sample applicator and hard carrying case

Specifications

Measuring Range: 0 to 28% (Salinity)
ATC Range: 10 to 30°C

Accessories & Replacement Parts

RPDPA1 Lens Cover





R7406 Digital Caliper, 6" (150mm)

Features

- Measure outside dimension, inside dimension, depth and step measurements
- Easy-to-read 5-digit LCD display
- User selectable unit of measure (in/mm)
- Zero adjustment button
- Lock screw to hold slide in position
- Hardened stainless steel head and body
- Low battery indicator and auto shut-off
- Includes battery and carrying case

Specifications

Measuring Range: 0 to 6" (0 to 150mm)
Resolution: 0.0005" (0.01 mm)
Accuracy: 0 to 1.967" (0 to 50mm): ±0.0010" (0.02mm);
1.967 to 6" (50 to 150mm): ±0.0011" (0.03mm)



R7412 Digital Caliper, 12" (300mm)

Features

- Measure outside dimension, inside dimension, depth and step measurements
- Easy-to-read 5-digit LCD display
- User selectable unit of measure (in/mm)
- Zero adjustment button
- Lock screw to hold slide in position
- Hardened stainless steel head and body
- Low battery indicator and auto shut-off
- Includes battery and carrying case

Specifications

Measuring Range: 0 to 12" (0 to 300mm)
Resolution: 0.0005" (0.01 mm)
Accuracy: 0 to 1.967" (0 to 50mm): ±0.0010" (0.02mm);
1.967 to 6" (50 to 150mm): ±0.0011" (0.03mm)



SW600 Digital Stopwatch

Features

- Stopwatch/chronograph mode with 1/100th second resolution
- Displays hour, minute, second, and day of the week
- Programmable alarm and snooze functions
- High contrast digital display
- Records real time and split times
- Includes lanyard and battery

Specifications

Timing Capacity: 23hrs, 59mins, and 59secs
Accuracy: ±3 seconds/day



R9800 Digital Portion Control Scale

Features

- Large backlit LCD display
- Quick response, high accuracy
- Stainless steel platform
- User selectable grams, pounds and ounces
- Full tare capacity
- Low battery and overload indicator
- Includes batteries

Specifications

Measuring Range: 5000g / 9lbs / 15oz
Accuracy: ±1% rdg.



R9850 Digital Industrial Portion Control Scale 529oz (15000g)

Features

- Large backlit LCD display
- User selectable kilograms, grams, pounds and ounce
- High precision sensor
- Stainless steel platform
- Auto calibration feature
- Full tare capacity
- Low battery and overload indicator
- Includes rechargeable batteries, power adapter and protective cover

Specifications

Measuring Range: 15kg / 33lbs / 529oz / 15,000g



Carrying Cases

R9940 Hard Shell Carrying Case

- Hard outer shell with soft interior lining
- Built-in compartment stores instrument accessories
- External dimensions: 8.75 x 6.5 x 2.25" (222 x 165 x 57mm)



CA-05A Soft Carrying Case

- Adjustable shoulder strap and belt hook
- Side compartment for accessories
- External dimensions: 10.5 x 5.75 x 2.2" (267 x 146 x 56mm)



CA-52A Soft Carrying Case

- Adjustable shoulder strap and belt hook
- Side compartment for accessories
- External dimensions: 8.3 x 4.3 x 1.9" (210 x 110 x 48mm)



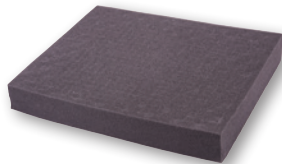
R8888 Medium Hard Carrying Case

- Customizable foam interior
- O-ring creates watertight seal
- Pressure equalization valve
- Double latch and lock system
- External dimensions: 13 x 12 x 5.8" (330 x 305 x 148mm)



R8888-FOAM Replacement Foam

- Replacement customizable foam for the R8888 Medium Hard Carrying Case



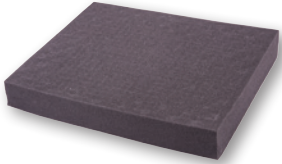
R8890 Large Hard Carrying Case

- Customizable foam interior
- O-ring creates watertight seal
- Pressure equalization valve
- Double latch and lock system
- External dimensions: 15.7 x 12.6 x 6.7" (399 x 320 x 170mm)



R8890-FOAM Replacement Foam

- Replacement customizable foam for the R8890 Medium Hard Carrying Case



R9950 Large Soft Carrying Case

- Accommodates up to 3 small to medium sized instruments
- Built-in elastics and compartments help organize accessories
- Adjustable shoulder strap and hand strap
- External dimensions: 12.5 x 10 x 2.5" (318 x 254 x 64mm)



R9999 Industrial Tool Bag

- Large dual-zippered compartment with 11 internal pockets
- 12 outer mesh pockets for smaller tools
- Adjustable shoulder and hand straps
- External dimensions: 16.5 x 12.5 x 9.5" (420 x 318 x 241mm)



R9990 Infrared Thermometer Soft Carrying Case

- Soft Carrying Case for R2300 and FS-200 infrared thermometers
- Dimensions: 7 x 3.25 x 1.75" (178 x 83 x 45mm)





Accessories

RSD-16GB 16GB Micro SD Memory Card with Adapter

- Works with:
R2450SD & SD-947
R3000SD & SD-230
R3100SD & SD-4307
R4000SD & SD-4207
R4500SD & SD-4214
R4700SD & SD-9300
R6050SD & SD-3007
R6250SD & SD-2010
R7000SD & SD-8205
R8070SD & SD-4023
R8500
SD-6100
SD-6020
R9910SD & SD-9901



R5900 Magnetic Meter Strap

- Use with the R5007 True RMS Multimeter & R5600 Insulation Tester



REED-WB Windshield Ball

- Compatible with 1/2" microphones



R1500 Tripod

- Adjustable height up to 56"
- Durable and lightweight aluminum alloy design
- 3-section leg lock system with non-slip rubber feet
- Quick release plate and bubble level
- Added stability with weight hook
- Tilt motion easily changes instrument orientation
- Maximum Tripod Height: 56" (142cm)
- Folded Length: 20" (51cm)



CP-09 AC Current Adapter

- Converts a multimeter into AC clamp meter
- Compact size
- 2% basic accuracy
- Integrated banana plugs
- CE certified
- CAT. II 600V safety rating



R1300 Precision Screwdriver

- Compact and lightweight
- Slip-resistant rubber grip offers outstanding comfort and control
- Chrome vanadium steel bits improve durability and prevent corrosion
- Magnetic bits make it easy to handle small screws
- Dimensions: 5.3 x 0.7 x 0.6" (135 x 17 x 15mm)



Solutions

R7950 Ultrasonic Couplant Gel, 8.45 fl oz (250ml)

- Slow drying with good transducer lubrication
- Water soluble
- Includes applicator bottle
- Material Safety Datasheet (MSDS) available upon request



R7950/12 Ultrasonic Couplant Gel, pack of 12

- 12 x 8.45 fl oz (250ml) applicator top bottle
- Slow drying with good transducer lubrication
- Water soluble
- Includes applicator bottle
- Material Safety Datasheet (MSDS) available upon request



R7950/5L Ultrasonic Couplant Gel, 5L

- 5 liters (1.32 gallon) barrel
- Slow drying with good transducer lubrication
- Water soluble
- Includes applicator bottle
- Material Safety Datasheet (MSDS) available upon request



R1404 Buffer Solution, 4.01pH, 16.9oz (500mL)

- 4.01pH Buffer Solution (25°C)
- 16.9 fl oz (500ml) bottle with viewing strip and childproof cap
- Color-coded red for easy identification
- ±0.020pH accuracy
- Certificate of Analysis available upon request



R1407 Buffer Solution, 7.00pH, 16.9oz (500mL)

- 7.0pH Buffer Solution (25°C)
- 16.9 fl oz (500ml) bottle with viewing strip and childproof cap
- Color-coded red for easy identification
- ±0.020pH accuracy
- Certificate of Analysis available upon request



R1410 Buffer Solution, 10.00pH, 16.9oz (500mL)

- 10.00pH Buffer Solution (25°C)
- 16.9 fl oz (500ml) bottle with viewing strip and childproof cap
- Color-coded red for easy identification
- ±0.020pH accuracy
- Certificate of Analysis available upon request



R1400-KIT pH Buffer Solution Kit includes, 4.01, 7.00 and 10.00pH

- R1404 Buffer Solution, 4.01pH, 16.9oz (500mL)
- R1407 Buffer Solution, 7.00pH, 16.9oz (500mL)
- R1410 Buffer Solution, 10.00pH, 16.9oz (500mL)



R1400-KIT2 Electrode Care and Maintenance Kit includes:

- R1420 Electrode Storage Solution, 16.9oz (500mL)
- R1425 Electrode Cleaning Solution, 16.9oz (500mL)



R1420 Electrode Storage Solution

- Manufactured specifically for pH and ORP electrodes
- Specially formulated to minimize microbial growth
- 16.9 fl oz (500ml) bottle with childproof cap



R1425 Electrode Cleaning Solution

- Manufactured specifically for pH and ORP electrodes
- 16.9 fl oz (500ml) bottle with childproof cap



R1430 Conductivity Standard Solution, 1413µS

- 1413µS Conductivity Value (20°C)
- 16.9 fl oz (500ml) bottle with childproof cap
- ±20µS or 1.0% accuracy
- Certificate of Analysis available upon request





STANDARDS

Standards

- R9933** Humidity Calibration Standard, 33%
• For use with R6001, R6050SD, R9900 and 8706
• $\pm 1\%$ Accuracy (at 77°F (25 °C))
• Compatible with probes with a diameter up to 0.6" (15mm)



- R9975** Humidity Calibration Standard, 75%
• For use with R6001, R6050SD, R9900 and 8706
• $\pm 1\%$ Accuracy (at 77°F (25 °C))
• Compatible with probes with a diameter up to 0.6" (15mm)



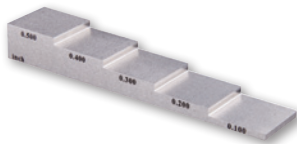
- R9980** Humidity Calibration Kit
(33% and 75%) includes:
• R9933 Humidity Calibration Standard, 33%
• R9975 Humidity Calibration Standard, 75%



- R9050** Coating Thickness Calibration Kit includes:
• For use with coating thickness gauges
• includes: Calibration Iron, Calibration Aluminum, Reference Films



- R9060** 5-Step Calibration Block
• 5-Step Block
• 1018 Steel
• Square thickness
• Imperial (inch) and Metric (mm) unit of measurement



REED
INSTRUMENTS

TEST AND MEASURE
WITH CONFIDENCE



THERMAL



MULTIMETERS



LIGHT



MOISTURE



SOUND



AIR VELOCITY



THICKNESS



CLAMP METERS