

PRECISION TEST & MEASUREMENT INSTRUMENTS

PRODUCT GUIDE



REED

Test and Measure
with Confidence

HVAC | SAFETY | ELECTRICAL | INDUSTRIAL MAINTENANCE

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Test and Measure with Confidence



R5099 Pocket Multimeter + 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
- 4,000-count backlit LCD screen
- Cat. III 600V safety rating
- Includes test leads & batteries

Specifications

AC/DC Voltage Range: 4V, 40, 400, 600V

AC/DC Current Range: 400 μ A, 4, 40, 400mA

Resistance Range: 400 Ω , 4, 40, 400k Ω , 4, 40M Ω



R5008 TRMS AC/DC Multimeter

Features

- Auto ranging AC/DC digital multimeter with temperature function
- Diode check and continuity test
- Data hold function
- Double molded plastic housing
- Cat. III 600V safety rating
- Includes temperature input adapter, type K thermocouple wire probe, test leads, battery and carrying case

Specifications

AC/DC Voltage Range: 600V

AC/DC Current Range: 10A

Resistance Range: 40M Ω

Frequency Range: 10MHz

Capacitance Range: 200 μ F

Duty Cycle Range: 99.9%

Temperature Range: 1400°F (760°C)



Accessories & Replacement Parts

R1020 Fused Test Lead Set

R5010 Waterproof TRMS 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: 1000V

AC/DC Current Range: 10A

Resistance Range: 40M Ω

Frequency Range: 10MHz

Capacitance Range: 40mF

Duty Cycle Range: 99.9%

Temperature Range: 1400°F (760°C)



Accessories & Replacement Parts

R1020 Fused Test Lead Set

R5007 TRMS AC/DC Multimeter + NCV

Features

- Measures AC/DC voltage and current, resistance, frequency ratio, variable frequency voltage (VFC), capacitance and temperature
- True RMS AC voltage and current measurements
- Also capable of detecting non-contact AC voltage and current measurements (with optional clamp-on adapter)
- Diode test and continuity check functions
- Max/Min, Data hold and Relative modes
- Auto and manual ranging
- Cat. III 600V safety rating
- Includes test leads, type K thermocouple probe with adapter and batteries

Specifications

AC/DC Voltage Range: 60.00, 600.0mV, 6.000, 60.00, 600.0V, 600V

AC/DC Current Range: 600.0, 6000 μ A, 60.00, 600.0mA, 6.000, 10.00A

Resistance Range: 600.0 Ω , 6.000, 60.00, 600.0k Ω , 6.000, 60.00M Ω

Capacitance Range: 9.999nF, 99.99nF to 999.9 μ F, 9.999 to 99.99mF

VFC Range: 200.0 to 600V

Frequency Range: 9.999Hz to 9.999MHz

Temperature Range: -40 to 1832°F (-40 to 1000°C)

Duty Cycle: 0.1 to 99.9%



Accessories & Replacement Parts

R5900 Magnetic Hanging Strap

R1020 Fused Test Lead Set

R5005 Waterproof TRMS Multimeter w/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, 5000 μ A, 50, 500mA, 10A

Resistance Range: 50, 500 Ω , 5, 50, 500k Ω , 5, 50M Ω

Capacitance Range: 5, 50, 500nF, 5, 50, 500 μ F, 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

R5020 AC Clamp Meter + NCV

Features

- Measures AC current, AC and DC voltage, resistance, capacitance, as well as temperature with included Type K thermocouple probe
- Diode test and continuity check
- Cat. III 600V safety rating
- Includes test leads, temperature probe, batteries and 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 TRMS AC/DC Clamp Meter + 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, 1000.0V

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 TRMS AC/DC Clamp Meter

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



R5050 TRMS AC/DC Clamp Meter

Features

- Max/Min and Data Hold functions
- Peak Hold function
- Diode and continuity test with beeper
- Auto or manual ranging
- Cat. II 1000V and Cat. III 600V safety ratings
- Includes test leads, battery and carrying case

Specifications

AC/DC Current Range: 40, 400, 1000A

AC Voltage Range: 400, 750V

DC Voltage Range: 400, 1000V

Resistance Range: 400, 4000Ω

Frequency Range: A & V: 4, 10kHz

Accessories & Replacement Parts

R1020 Fused Test Lead Set



R5055 TRMS AC/DC 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

Capacitance Range: 60, 600.0nF, 6, 60, 600μF, 6, 60mF

Temperature Range: -40 to 1832°F (-40 to 1000°C)



R5055-KIT TRMS AC/DC Clamp Meter with Flexible Current Probe Kit

Includes the following

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



R5065 Flexible 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



R5700 Earth Resistance Clamp Meter

Features

- Resolution of 0.001Ω for low resistance measurements
- Stores up to 99 resistance measurements
- Measures leakage current to 1mA and neutral current to 20A
- Cat. III 1000V and Cat. IV 600V safety ratings
- Includes 3 resistance calibration loops (1Ω , 5Ω and 10Ω), batteries and hard carrying case

Specifications

Resistance Range: 0.01 - 0.999Ω , 1 - 9.99Ω , 10 - 99.9Ω , 100 - 199.9Ω , 200 - 400Ω , 400 - 600Ω , 600 - 1200Ω

Current Range: 100mA, 300mA, 1A, 3A, 10A, 20A



R5015 AC Leakage Current Tester

Features

- $10\mu A$ 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: 400 VAC

Resistance Range: 40 to 400Ω

Continuity Test: 40Ω threshold, beeper at 2.5kHz

Accessories & Replacement Parts

R1020 Fused Test Lead Set



CP-09 AC Current Adapter

Features

- Ideal tool to extend the current range for all multimeters
- Voltage output of 1 mV/A via standard banana inputs
- Cat. II 600V and Cat. III 300V safety ratings

Specifications

AC Current Range: 200A



R5950 AC/DC Current Adapter

Features

- Converts any digital multimeter into an AC/DC current clamp
- Cat. III 600V safety rating

Specifications

AC/DC Current Range: 200A, 2000A



R5600 Insulation Tester

Features

- Test voltage combinations: 250V, 500V or 1000V
- 1mA test current for MΩ 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: 200MΩ, 2000MΩ

Resistance Range: 200Ω, 2000Ω

Voltage Range: 750VAC; 1000VDC

Continuity Range: Beeps $\leq 40\Omega$

Test Current: $\leq 200\text{mA}$



Accessories & Replacement Parts

R1020 Fused Test Lead Set

R5002 Insulation Tester

Features

- Wide range measurements from 500V to 5000V and up to 60GΩ
- 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 60.0GΩ

Resistance Tests

Measurement Range: 0.1 to 6000Ω

Voltage Tests

Measurement Range: 0.5 to 600.0V AC/DC



K5090 Milliohmmeter

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: 0.1mΩ to 2000Ω, 5 ranges



R5001 LCR Meter

Features

- Measure inductance/capacitance/resistance with secondary parameters including dissipation factor (D), quality factor (Q), phase angle ($\varnothing$), 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/ $\varnothing$ /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: 100 pF to 11,111 μ F, 5 ranges

Resolution: 100 pF 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 1 pair of test leads (red & black)

Accessories & Replacement Parts

R1020 Fused Test Lead Set

CA-05A Soft Carrying Case



R5800 Voltage/Current Simulator

Features

- Sources voltage and current
- Automatic calibration
- User selectable auto power-off
- Selectable step or ramp outputs
- Includes test leads, alligator clips, protective holster, carrying case and battery

Specifications

DC Voltage Range: 10V
Output Range: 0.00 to 11.000V
Accuracy: $\pm 0.05\%$ setting
DC Current Range: 20mA
Output Range: 0.000 to 22.000mA
Accuracy: $\pm 0.05\%$ setting + 4 μ A
Analog Transducer: -20mA
Output Range: 0.000 to -22.000mA
Accuracy: $\pm 0.05\%$ setting + 4 μ A
Loop Power: 24V
Accuracy: $\pm 10\%$



R5820 Loop Calibrator

Features

- mA sourcing, simulation and measurement
- 0-28 VDC measurement to check loop voltage
- Simulate mA and % of span display
- 24V loop power supply
- 0.02% accuracy and 0.001% of span display
- Selectable step or ramp outputs
- Includes test leads, alligator clips, protective holster, soft carrying case and battery

Specifications

Measurement Function

DC Voltage Range: -0.200 to 28.000V
Accuracy: $\pm 0.02\%$ reading ± 2 mV
DC Current Range: -1.000 to 22.000mA
Accuracy: $\pm 0.02\%$ reading + 4 μ A
Loop Current Range: 0.000 to 22.000mA
Accuracy: $\pm 0.02\%$ reading + 4 μ A

Output Function

DC Current Range: 0.000 to 22.000mA
Accuracy: $\pm 0.05\%$ setting + 4 μ A
Analog Transducer: 0.000 to -22.000mA
Accuracy: $\pm 0.05\%$ setting + 4 μ A
Loop Power: 24V
Accuracy: $\pm 10\%$



R5090 Power Meter

Features

- Calculates operating costs of household appliances
- Simply set the local utility rate in Killo Watt-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



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 10,000 ft (3000m)



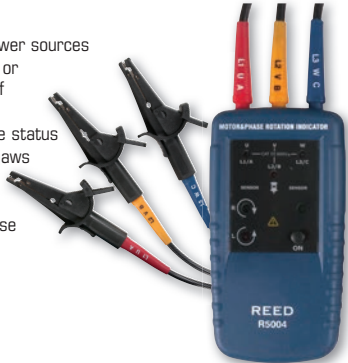
Accessories & Replacement Parts

CA-52A Soft Carrying Case

R5004 Phase & Motor Rotation 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 600 VAC

Operating Frequency: 2 to 400 Hz

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 free-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 AC Voltage Detector

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



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



R5500 Circuit Breaker Finder/ Receptacle Tester

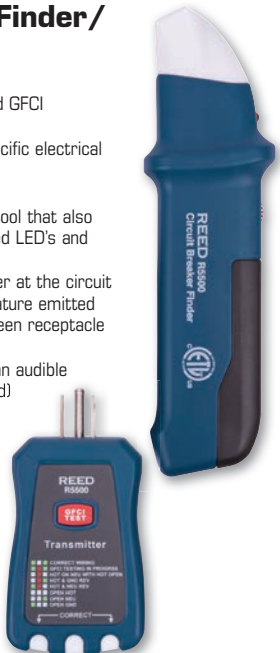
Features

- 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 (included)

Specifications

Rated Working Voltage: 90 to 120 VAC

Power Supply: 9V battery (receiver)



R5320 Wire Tracer/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: 125 kHz

Open Polarity Test Range: DC: 5 to 70V or -70 to -5V

Receiver Tracking Sensitivity: RJ11 $\leq 9842'$ (3000m); RJ45 $\leq 328'$ (100m)

Voltage Detector Range: 40 to 1000VAC

R5400 AC 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



R1050-KIT Safety Test Lead Kit

Includes the following

- R1050 Test Lead Set
- R1210 Alligator Clip Set, Large
- R1110 Test Probe Set, Sharp point
- R9940 Soft Carrying Case



R1050-KIT2 Deluxe Safety Test Lead Kit

Includes the following

- R1000 Safety Test Lead Set
- R1050 Test Lead Set
- R1100 Basic Test Probe Set
- R1110 Test Probe Set, Sharp point
- R1120 Safety Test Probe Set
- R1130 Test Probe Set, Banana-style
- R1140 Electronic Test Probe Set
- R1200 Alligator Clip Set, Plugger style
- R1210 Alligator Clip Set, Large
- R1220 Alligator Clip Set
- R9940 Soft Carrying Case



Industrial Test Leads

R1050 Safety Test Leads

- ø4mm, 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**

R1210 Safety Alligator Clips



R1200 Safety Test Clips

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

R1100 Basic Test Probes

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

R1110 Safety Test Probes

- Push-on safety test probes with stainless steel tips

R1120 Safety Test Probes

- Industrial test probes with stainless steel tips

R1130 Safety Jaw Clips



Industrial Test Leads

R1000 Safety Test Leads

- 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

R1220 Safety Alligator Clips

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

R1000-KIT Safety Test Lead 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



R2990 Temperature Input Adapter

Features

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



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



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



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



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



R2300 Infrared Thermometer

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



R2310 Infrared Thermometer

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



R2320 Infrared Thermometer

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



R2330 Infrared Thermometer

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 μ m



R2020 Video Infrared Thermometer

Features

- Air temperature, humidity, dew point and wet bulb temperature measurement
- Type K thermocouple input for contact temperature measurement
- Dual lasers assist with target area identification
- 50:1 distance to spot size ratio
- Digitally adjustable emissivity from 0.1 to 1.0
- 2.2" TFT color LCD and built-in 640 x 480 pixels camera
- Transmit images and videos via USB interface
- Datalogger capabilities with date and time
- Includes type K thermocouple probe, AC adapter, USB adapter, mini-tripod, li-ion rechargeable battery and hard carrying case

Specifications

IR Temp. Range: -58 to 3992°F (-50 to 2200°C)

Accuracy: $\pm 1.8\%$ rdg. or 3.6°F (1.8°C)

Type K Temp. Range: -58 to 2498°F (-50 to 1370°C)

Accuracy: $\pm 0.5\%$ or 0.9°F ($\pm 0.5^\circ\text{C}$)

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

Dew Point/Wet Bulb Temp. Range: 32 to 122°F (0 to 50°C)

Humidity Range: 0 to 100% RH



FS-200 Food Service Infrared Thermometer

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): $\pm 2\%$ rdg. or $\pm 2^\circ\text{C}$ ($\pm 4^\circ\text{F}$)

Optical Resolution (D:S): 8:1

Emissivity: 0.95 (Fixed)

Spectral Response: 6 to 14 μ m



R2160 Thermal Imaging Camera

Features

- 160 x 120 infrared resolution (19,200 pixels)
- 2.8" color TFT display
- Built-in LED flashlight
- Choice of 5 color palettes
- High and Low temperature spot and alarm indicators
- Dustproof and 6.5' (2m) drop tested
- Rechargeable li-ion battery
- Tripod mountable
- Includes s USB cable, lens cover, 16GB micro SD card and soft carrying case

Specifications

Temperature Range: 14 to 752°F (-10 to 400°C)

Accuracy: $\pm 3.6^{\circ}\text{F}$ (2°C) or $\pm 2\%$ of reading

Thermal Sensitivity (NETD): $< 0.05^{\circ}\text{C}$ (50mK)

Emissivity: 0.1 to 1.0 (Adjustable)

Spectral Response: 8 to 14 μm

Image Capture Frequency: 9Hz



Accessories & Replacement Parts

R8888 Hard Carrying Case

REED-INSPECT-KIT Home Inspection Kit

Includes the following

- 8706 Digital Psychrometer
- R6015 Wood Moisture Detector
- R6010 Pinless Moisture Meter
- R8004 Laser Distance Meter
- R2300 Infrared Thermometer
- R9950 Soft Carrying Case



RTEMP-KIT Temperature Combo Kit

Includes the following

- R5008 Digital Multimeter w/ Temperature
- 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
- R8888 Deluxe Carrying Case



R2450SD Thermocouple/RTD Thermometer/Data Logger

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)



- **R2450SD-KIT1** includes:

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



- **R2450SD-KIT2** includes:

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



- **R2450SD-KIT3** includes:

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



- **R2450SD-KIT4** includes:

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** includes:

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



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

CA-05A Soft Carrying Case

R8888 Hard Carrying Case

SD-4GB 4GB Class 4 SDHC Memory Card

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



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



Specifications

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

Accuracy: $\pm(0.5\% \text{ reading} + 2^\circ\text{F } (1^\circ\text{C}))$

Accessories & Replacement Parts

R1500 Tripod

Type K Thermocouple Probes

R2920 Surface Probe

- 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 Right Angle Surface Probe

- 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 Air/Gas Probe

- Measurement range: -58 to 932°F (-50 to 500°C)
- Perforated stainless steel shield permits fast response and element protection
- Dimensions: Probe: 6.3" (160mm);
Handle: 5" (125mm); Wire: 39" (100cm)

R2950 Immersion Probe

- Measurement range: -58 to 1112°F (-50 to 600°C)
- For checking the temperature of water, oils and non-corrosive fluids and gels
- Dimensions: Probe: 6.1" (156mm);
Handle: 5" (127mm); Wire: 39" (100cm)

R2960 Needle Tip Probe

- Measurement range: -58 to 1112°F (-50 to 600°C)
- Designed for food, gels and liquids
- Dimensions: Probe: 6.1" (156mm);
Handle: 5" (127mm); Wire: 39" (100cm)

R2970 Pipe Clamp Probe

- 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 Air Oven/Freezer Probe

- 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)

Type K Thermocouple Probes

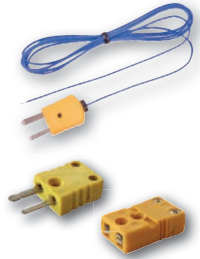
TP-01 Type K Beaded Wire Probe

- 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 Male Type K Thermocouple Connector

LS-182 Female Type K Thermocouple Connector

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



C-370 Waterproof 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 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 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°



R2800 Temperature Simulator

Features

- Source 8 thermocouple types (R, S, B, E, K, J, T & N) and 7 RTD types (Cu10, Cu50, Pt10, Pt100, Pt200, Pt500 & Pt1000)
- Also provides direct setting for electrical output signals, volts and ohms
- Basic accuracy of 0.05%
- Internal cold junction compensation
- Quick reset with zero button
- 6-digit LCD readout, °C or °F selectable
- Includes set of industrial test leads, alligator clips, thermocouple adapter, protective holster, battery, and soft carrying case

Specifications

Output Voltage Range: 100mV; 1000mV

Resistance Range: 400Ω, 4000Ω



R2810 Thermocouple Calibrator

Features

- Operable with eight types of thermocouple including R, S, B, E, K, J, T, N, plus volts
- Measure temperature from thermocouple probes
- Simulate TC output
- Calibrate linear TC transmitters with mV source function
- Internal cold junction compensation
- Quick reset with zero button
- 6-digit LCD readout; selectable °C or °F
- Thermocouple mini-jack termination
- Includes set of industrial test leads, alligator clips, thermocouple adapter, protective holster and batteries

Specifications

Output Voltage Range: 100mV; 1V

Accuracy: 0.05% rdg. + 30μV; 0.05% rdg. + 0.3mV



BX-500 Infrared Temperature Calibrator

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

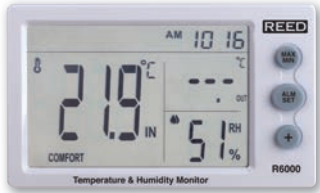
Aperture Diameter: 57mm



R6000 Temperature/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

LM-81HT Thermo-Hygrometer

Features

- Dual display shows ambient temperature and relative humidity
- User selectable °F/°C
- Data Hold and Min/Max function
- Compact and lightweight
- Includes battery

Specifications

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

Accuracy: ±2.5°F (1.2°C)

Humidity Range: 10 to 95% RH

Accuracy: ±5% RH

Accessories & Replacement Parts

CA-52A Soft Carrying Case



R1910 Thermo-Hygrometer

Features

- Simultaneously displays temperature and relative humidity
- Compact design for one-handed operation
- Backlit dual LCD display
- User selectable °F/°C
- Max, min and data hold functions
- Includes 3 "AAA" batteries

Specifications

Temperature Range: 14 to 140°F (-10 to 60°C)

Accuracy: ±2.0°F (1.0°C)

Humidity Range: 0 to 100% RH

Accuracy: ±5% RH



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
- **R6001-KIT** includes:
 - R6001 Thermo-Hygrometer
 - R9980 Humidity Calibration Kit (33% & 75% R.H.)

Specifications

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

Accuracy: ±1.6°F (0.8°C)

Humidity Range: 0 to 100% RH

Accuracy: ±3% 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



8706 Digital Psychrometer

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
- **8706-KIT** includes:
 - R8706 Digital Psychrometer
 - R9980 Humidity Calibration Kit (33% & 75% R.H.)

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°C)

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



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 Heat Stress WBGT Meter/ Data Logger

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
- **R6250SD-KIT** includes:
 - R6250SD Data Logging Heat Stress Meter
 - RSD-16GB 16GB Micro SD Memory Card w/ Adapter
 - RSD-ADP-NA AC Power Adapter
- **R6250SD-KIT** includes:
 - R6250SD Data Logging Heat Stress Meter; R1500 Tripod
 - RSD-16GB 16GB Micro SD Memory Card w/ Adapter
 - RSD-ADP-NA AC Power Adapter

Specifications

Humidity Range: 5 to 95% RH

Ambient Temp. Range: 32.0 to 122.0°F (0 to 50.0°C)

Dew Point Temp. Range: -13.5 to 120.1°F (-25.3 to 48.9°C)

Wet Bulb Temp. Range: -6.9 to 122.2°F (-21.6 to 50.0°C)

WBGT Range: Indoor: 32 to 138°F (0 to 59°C); Outdoor: 32 to 132°F (0 to 56°C)

Accessories & Replacement Parts

SD-4GB 4GB Class 4 SDHC Memory Card

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

RSD-ADP-NA Power Supply, 110V

R1500 Tripod

CA-05A Soft Carrying Case

R8888 Hard Carrying Case



SW700 Heat Stress Stop Watch

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)

Specifications

Timing Capacity: 9 hrs, 59 mins, and 59 secs

Accuracy: ± 3 seconds per day

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



R6020 Temperature/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

Humidity Range: 0 to 100% RH

Temperature Range: -40 to 158°F (-40 to 70°C)

Accessories & Replacement Parts

CA-52A Soft Carrying Case



R6050SD Thermo-Hygrometer/ Data Logger

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

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

R6050SD-PROBE Replacement Probe

R9933 33% Humidity Calibration Standard

R9975 75% Humidity Calibration Standard

R9980 Humidity Calibration Kit, 33% and 75%

SD-4GB 4GB Class 4 SDHC Memory Card

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

R8888 Hard Carrying Case



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
- **R6018-KIT** Water Damage/Restoration Kit includes: R6018 Dual Moisture Meter, 8706 Digital Psychrometer, and R9940 Carrying Case

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



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



R6013 Pocket Moisture Meter

Features

- Measures wood and building material moisture
- Detects moisture in sawn timber, sheet rock, cardboard, plaster, concrete and mortar
- Built-in measurement verification and battery check
- Replaceable pins
- Durable impact-proof plastic housing
- Includes protective cap and batteries

Specifications

Measuring Range: Wood: 6 to 44% Moisture Content;

Hardened Material: 0.2 to 2.0% Moisture Content

Accessories & Replacement Parts

R6013-P Replacement Electrode Pin

CA-52A 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



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
- **R7900-KIT** includes:
 - R7900 Ultrasonic Thickness Gauge
 - R9060 5-Step Calibration Block



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
- CA-52A** Soft Carrying Case
- R8888** Deluxe 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
- **TM-8811-KIT** includes:
 - TM-8811 Ultrasonic Thickness Gauge
 - R9060 5-Step Calibration Block

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
- CA-52A** Soft Carrying Case
- R8888** Deluxe Hard Carrying Case



R7800 Coating Thickness Gauge

Features

- Automatically detects ferrous and non-ferrous substrate
- Single or multi-point mode; zero and two-point calibration
- 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)

Accessories & Replacement Parts

R9050 Coating Thickness Calibration Kit

CA-52A Soft Carrying Case

R8888 Deluxe Hard 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 1000 µm, 0 to 40 mil

Accuracy: <100µm: ±2µm; >100µm: ±3% of rdg

Accessories & Replacement Parts

CM-8822FPROBE Replacement Ferrous Probe

CM-8822NPROBE Replacement Non-Ferrous Probe

R9050 Coating Thickness Calibration Kit

CA-52A Soft Carrying Case

R8888 Deluxe Hard Carrying Case



HT-6510A "A" Scale 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 90 HA

Deviation: ±1 HA

Accessories & Replacement Parts

R8888 Deluxe Hard Carrying Case



R9030 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 Hard Carrying Case



R7700 Gloss Meter

Features

- Designed to meet international gloss measurement standards (ASTMD523, ASTMD1455, ASTMC584 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 200 GU

Measuring Geometry: 20°/60°/85°



R7000SD Vibration Meter/Data Logger

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 integral 4GB 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
- **R7000SD-KIT** includes:
 - R7000SD Data Logging Vibration Meter
 - RSD-16GB 16GB Micro SD Memory Card w/ Adapter
 - RSD-ADP-NA AC Power Adapter

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 20.39 g; 2 to 656ft/s²

Accessories & Replacement Parts

R7000SDPROBE Vibration Probe

R7000SD-PROBE-BASE Magnetic Base

RSD-ADP-NA Power Supply, 110V

R1500 Tripod

SD-4GB 4GB Class 4 SDHC Memory Card

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

CA-05A Soft Carrying Case

R8888 Hard Carrying Case



SD-6020 Force Gauge/Data Logger

Features

- Measures tension and compression forces up to 20 kg
- 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 4GB SD memory card
- Includes flat head, cone head, chisel head and hook adapters, 120mm extension rod, batteries and carrying case

Specifications

Measuring Capacity: 20.00 kg/44.10 lb/196.12 N

Full Scale Deflection: 0.1mm max.

Sampling Time: Normal: 1 second to 8 hours;

Peak hold: 10 to 500 ms

Accessories & Replacement Parts

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

USB-01 USB Cable

SW-U801-WIN Data Acquisition Software

RSD-ADP-NA Power Supply, 110V

R8888 Deluxe Hard Carrying Case



SD-6100 Force Gauge/Data Logger

Features

- Measures tension and compression forces up to 100 kg
- 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 4GB SD memory card
- Includes separate load cell sensor with 2 hooks and cable, batteries and carrying case

Specifications

Measuring Capacity: 100.0 kg / 220.5 lb / 980.6 N

Full Scale Deflection: 0.1mm max.

Sampling Time: Normal: 1 second to 8 hours;

Peak hold: 10 to 500 ms

Accessories & Replacement Parts

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

USB-01 USB Cable

SW-U801-WIN Data Acquisition Software

RSD-ADP-NA Power Supply, 110V

R8888 Deluxe Hard Carrying Case



R7100 Photo/Contact 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
- Removeable 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

ST-FUNNEL Replacement Funnel Adapter

R7100-SHAFT Replacement Extension
Shaft adapter

RT100 Reflective Tape

CA-05A Soft Carrying Case

R9940 Soft Carrying Case



R7150 Photo/Contact 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 6.5 ft (2000 mm) 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

CA-05A Soft Carrying Case

R9940 Soft Carrying Case



R7140 Photo/Contact 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

FUNNEL Replacement Funnel Tip

EXT-SHAFT Replacement Extension Shaft

RT100 Reflective Tape

CA-05A Soft Carrying Case

R9940 Soft Carrying Case

R7050 Photo Tachometer/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

CA-05A Soft Carrying Case

R9940 Soft Carrying Case



K4020 Digital Stroboscope

Features

- Digital stroboscope freezes the motion and measures the speed of a rotating object, without contact
- Simply aim and synchronize the strobe's flash rate (fpm) with the speed (rpm) of the object
- Direct reading of RPMs
- Tripod mount for stationary use
- Includes light bulb and 6' power cord

Specifications

Flash/Speed Rate: 100 to 10,000 fpm/rpm

Accessories & Replacement Parts

K4020-BULB Replacement Bulb

R1500 Tripod

R8888 Deluxe Carrying Case



R3030 Differential Manometer

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 inHg; 1551 mmHg; 480.0 ozin²;
69.20 ftH₂O; 2101 cmH₂O; 2.109 kgcm²; 2.068 bar
Maximum Pressure: 60 psi



R3100 Differential Manometer

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 inHg; 5171 mmHg; 1600 ozin²;
230.7 ftH₂O; 7004 cmH₂O; 7.031 kgcm²; 6.895 bar
Maximum Pressure: 150 psi



R3002 Differential Manometer

Features

- Measures gauge and differential pressure from 0 to 5 psi
- 11 selectable units of measure: psi, bar, mbar, kPa, inHg, mmHg, ozin², inH₂O, ftH₂O, cmH₂O, kgcm²
- 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 inHg; 258.5 mmHg; 80.00 ozin²;
11.53 ftH₂O; 351.5 cmH₂O; 0.351 kgcm²; 0.344 bar

Accessories & Replacement Parts

R1500 Tripod

R8888 Deluxe Carrying Case



R3001 Anemometer/Manometer

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 in cfm or cmm
- Pressure displayed in 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: ± 5000 Pa; 0.752 psi;

50.00mbar; 20.07 inH₂O; 509.8 mmH₂O

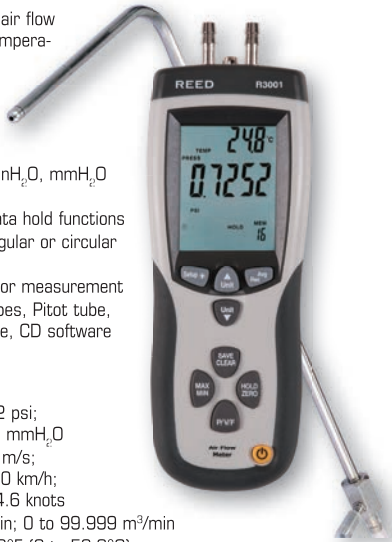
Air Velocity Range: 1.00 to 80.00 m/s;

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 Deluxe Carrying Case



LM-8000 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 20,000 Lux (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 Environmental Meter/ Data Logger

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 integral 4GB 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
- **R4700SD-KIT** includes:
 - R4700SD Data Logging Environmental Meter
 - RSD-16GB 16GB Micro SD Memory Card w/ Adapter
 - RSD-ADP-NA AC Power Adapter



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

Humidity Range: 0 to 95% RH

Light Range: 0 to 20,000 lux (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

SD-4GB 4GB Class 4 SDHC Memory Card

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

R8888 Deluxe Hard Carrying Case



LM-81AM Vane Anemometer

Features

- Measures air velocity in fpm, m/s, km/h, mph and knots
- 4-digit LCD display
- Min/Max and data hold functions
- Low friction rotating vane for improved accuracy
- Compact design allows for one-handed operation
- Includes wrist strap and battery

Specifications

Air Velocity Range: 80 to 5910 fpm; 0 to 30 m/s;

1.4 to 108 km/h; 0.9 to 67 mph; 0.8 to 58.3 knots

Accessories & Replacement Parts

CA-52A Soft Carrying Case



R4000SD Vane Thermo-Anemometer/ Data Logger

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 integral 4GB 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
- **R4000SD-KIT** includes:
R4000SD Data Logging Thermo-Anemometer; RSD-16GB 16GB Micro SD Memory Card w/ Adapter; RSD-ADP-NA AC Power Adapter
- **R4000SD-KIT2** includes:
R4000SD Data Logging Thermo-Anemometer; RSD-16GB 16GB Micro SD Memory Card w/ Adapter; RSD-ADP-NA AC Power Adapter; R1500 Tripod



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
- SD-4GB** 4GB Class 4 SDHC Memory Card
- 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
- CA-05A** Soft Carrying Case
- R8888** Deluxe Hard Carrying Case



R1900 Vane Thermo-Anemometer

Features

- Simultaneously measures and displays air velocity and temperature
- Measures air velocity in fpm, m/s, km/h, mph and knots
- Beaufort Scale with digital bargraph indicator
- Keeps track of maximum and average readings
- Data Hold function
- Low friction rotating vane for improved accuracy
- Includes batteries

Specifications

Air Velocity Range: 78 to 5905 fpm; 0 to 30 m/s;
1.4 to 108 km/h; 0.8 to 67 mph; 0.7 to 58 knots
Temperature Range: 14 to 122°F (-10 to 50°C)



8906 Vane Thermo-Anemometer

Features

- Dual LCD simultaneously displays air velocity and temperature
- Calculates air volume (CFM)
- Continuous air velocity averaging measurements for up to 2 hours
- Low friction rotating vane for improved accuracy
- Min/Max/Avg and Data Hold Functions
- Low battery indicator and auto shut off
- Includes hard carrying case and batteries

Specifications

Air Velocity Range: 80 to 6900 fpm; 0.4 to 35 m/s;
1.4 to 126 km/h; 0.9 to 78 mph; 0.8 to 68 knots
Temperature Range: 14 to 122°F (-10 to 50°C)

Accessories & Replacement Parts

CA-05A Soft Carrying Case



R4500-SD Hot Wire Thermo-Anemometer/ Data Logger

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 integral 4GB 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
- **R4500SD-KIT** includes:
R4500SD Data Logging Thermo-Anemometer;
RSD-16GB 16GB Micro SD Memory Card w/ Adapter;
RSD-ADP-NA AC Power Adapter
- **R4500SD-KIT2** includes:
R4500SD Data Logging Thermo-Anemometer;
RSD-16GB 16GB Micro SD Memory Card w/ Adapter;
RSD-ADP-NA AC Power Adapter; R1500 Tripod



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 to 4921 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

SD-4GB 4GB Class 4 SDHC Memory Card

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

R8888 Deluxe Hard Carrying Case



R1930 Light Meter

Features

- User selectable Lux/Foot-candle measurements
- Backlit 4-digit LCD display
- Max/Min and data hold functions
- Compact design for one-handed operation
- Includes batteries

Specifications

Measuring Range: 0 to 199,999 lux; 0 to 18,580 Fc

Accessories & Replacement Parts

CA-52A Soft Carrying Case



LM-81LX Light Meter

Features

- Designed for one-handed operation, it fits easily into a pocket or tool belt
- User selectable Lux/Foot-candle measurements
- 5-digit LCD display
- Max/Min and data hold functions
- Zero adjustment button
- Includes batteries

Specifications

Measuring Range: 0 to 20,000 lux; 0 to 2,000 Fc

Accessories & Replacement Parts

CA-52A 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 199,900 lux;
0 to 19,990 Fc



R8130 Light Meter

Features

- Measures light intensity up to 40,000 fc or 400,000 lux
- 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 400,000 lux;
0 to 40,000 Fc



R8100SD Light Meter/Data Logger

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 °C or °F
- Min/Max and Data hold functions
- Real time data logger with integral 4GB 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
- **R8100SD-KIT** includes:
R8100SD Data Logging Light Meter;
RSD-16GB 16GB Micro SD Memory Card w/ Adapter;
RSD-ADP-NA AC Power Adapter

Specifications

Light Range: 2,000, 20,000, 100,000 lux;
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

SD-4GB 4GB Class 4 SDHC Memory Card

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

R8888 Deluxe Hard Carrying Case



R1920 Sound Level Meter

Features

- Fast and slow time weighting (125mS and 1s)
- A frequency weighting
- Backlit 4-digit LCD display
- Max/Min and data hold functions
- 0.5" (12.7mm) electret condenser microphone
- Includes windshield ball and batteries

Specifications

Measuring Range: 30 to 130dB

Frequency Range: 31.5 Hz to 8 kHz

Accessories & Replacement Parts

CA-52A Soft Carrying Case



R8050 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
- **R8050-KIT** Sound Level Meter & Calibrator Kit includes: R8050 Sound Level Meter, R8090 Acoustic Calibrator, and R8888 Deluxe Hard Carrying Case w/ custom foam insert

Specifications

Measuring Range: Low: 30-100 dB; High: 60-130 dB

Frequency Range: 31.5 Hz to 8 kHz

Accessories & Replacement Parts

R8090 Acoustic Calibrator

REED-WB Windshield Ball

R1500 Tripod

CA-05A Soft Carrying Case

R8888 Deluxe Hard Carrying Case



R8060 Sound Level Meter

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: 30-90 dB; Medium: 50-110 dB;

High: 70-130 dB

Frequency Range: 20 Hz to 8 kHz

Accessories & Replacement Parts

R8090 Acoustic 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



R8080 Sound Level Meter/Data Logger

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
- **R8080-KIT** includes:
R8080 Data Logging Sound Level Meter; R8090 Sound Calibrator; R8888 Hard Carrying Case
- **R8080-KIT2** includes:
R8080 Data Logging Sound Level Meter; R1500 Tripod

Specifications

Measuring Range: Low: 30-90 dB; Medium: 50-110 dB;
High: 70-130 dB

Frequency Range: 20 Hz to 8 kHz

Accessories & Replacement Parts

R8090 Acoustic Calibrator

REED-WB Windshield Ball

R1500 Tripod

CA-05A Soft Carrying Case

R8888 Hard Carrying Case



R8070SD Sound Level Meter/Data Logger

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 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
- **R8070SD-KIT** includes:
R8070SD Data Logging Light Meter; RSD-16GB 16GB Micro SD Memory Card w/ Adapter; RSD-ADP-NA AC Power Adapter
- **R8070SD-KIT2** includes:
R8070SD Data Logging Light Meter; RSD-16GB 16GB Micro SD Memory Card w/ Adapter; RSD-ADP-NA AC Power Adapter; R1500 Tripod

Specifications

Measuring Range: 30 to 130 dB

Frequency Range: 31.5 Hz to 8 kHz

Accessories & Replacement Parts

R8090 Acoustic Calibrator

REED-WB Windshield Ball

SD-4GB 4GB Class 4 SDHC Memory Card

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

R8888 Hard 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
- **R8085-KIT** includes:
 - 2 x R8085 Noise Dosimeter; R8090 Sound Level Calibrator;
 - R8888 Hard 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 Acoustic Calibrator

R8085-PC PC Software

R8085-USB USB Cable

R1500 Tripod

CA-05A Soft Carrying Case

R8888 Hard Carrying Case



R9910SD Indoor Air Quality Meter/ Data Logger

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 integral 4GB 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
- **R9910SD-KIT** includes:
 - R9910SD Data Logging IAQ Meter;
 - RSD-16GB 16GB Micro SD Memory Card w/ Adapter; RSD-ADP-NA AC Power Adapter



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

Temperature Range: 32 to 122.0°F (0 to 50.0°C)

Dew Point Temp. Range: -13.5 to 120.1°F (-25.3 to 48.9°C)

Wet Bulb Temp. Range: -6.9 to 122.1°F (-21.6 to 50°C)

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

SD-4GB 4GB Class 4 SDHC Memory Card

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 **R8888** Hard Carrying Case



R9905 Indoor Air Quality Meter/ Data Logger

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

Measuring Ranges: CO₂: 0 to 30,000 ppm;

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

Humidity: 0 to 100% RH;

Accessories & Replacement Parts

R9905-PROBE Replacement Temp./Humidity Probe



R9400 Carbon Monoxide Meter

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)



R9450 Carbon Monoxide Monitor

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-C00 Replacement Sensor Tip

CA-05A Soft Carrying Case



C-383 Combustible Gas 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 Deluxe Hard Carrying Case



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

Accessories & Replacement Parts

R-134A Replacement Sensor Tip

LC-R01 Replacement Reference Leak Source

R8888 Deluxe Hard Carrying Case



R9100 Ultrasonic Leak Detector

Features

- Locates leaks generated by pressure, vacuum, water, gas or air
- Transmitter generates a 40 kHz 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: 40 kHz $\pm$ 2 kHz

Transmitter Output Frequency: 40 kHz



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 Radiation Meter

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 μ Sv/h

Pulse Dose Rate Range: 0 - 4000 cpm/cps

Accumulated Radiation Dose Value: 0.001 μ Sv - 9999 Sv

Accumulated Pulse Dose Rate: 0 - 9999

Accessories & Replacement Parts

CA-05A Soft Carrying Case



GU-3001 Electromagnetic Field Meter

Features

- Measures AC and DC magnetic fields in milliGauss (mG) or microTesla (μ T) with a uniaxial Hall effect sensor
- N pole / S pole indicator
- Large, easy-to-read LCD with Data hold and Max/Min
- Zero adjustment button for relative measurements
- Optional PC software features live tracking via USB
- Includes uniaxial magnetic probe, batteries and hard carrying case

Specifications

Measuring Range: -3000 to 3000 mG, -300 to 300 μ T

Frequency Response: AC/DC: 40 Hz to 10 KHz

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: $\pm 0.5\%$



R8004 Laser Distance Meter

Features

- Easily measure hard-to-access areas, like high ceilings, with laser targeting
- 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
- Integrated bubble level
- Continuous measurement mode
- User selectable unit of measure (imperial/metric)
- Backlit multi-line LCD display
- Internal memory saves up to 30 readings
- Includes battery and carrying case

Specifications

Measuring Range: 131' (40m)

Accuracy: $\pm (5.0\text{mm} + d \times 5/100000)$

Laser Type: Class 2, <1mW, 630 to 670 nm



R8010 Laser Distance Meter

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' (5 cm to 100 m)

Accuracy: $\pm 0.06"$ (1.5 mm)

Laser Type: Class 2, <1mW, 630 to 670 nm



R9090 Stud/Metal/AC Voltage Detector

Features

- Bargraph allows for quick and accurate detection
- Ergonomically designed for comfort and grip
- Auto power off
- Includes battery

Specifications

Detection Depth

Stud: Up to 0.98" (25mm)

Metal: Up to 2.56" (65mm)

Voltage: Up to 1.96" (50mm)

Accessories & Replacement Parts

CA-05A Soft Carrying Case



R8500 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 30 ft. (~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 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 Pipe Inspection Camera

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 Replacement Camera Head

R9000-40M Cable, 131.2' (40m)

R9000-CAMT Camera Head with 512Hz Transmitter

R9000-RCV Receiver, 512Hz

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



We back up all of our products with a standard 1-year warranty



R3500 Digital 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
- **R3500-KIT** includes:
R3500 pH meter; R1404 Buffer Solution, 4.01 pH;
R1407 Buffer Solution, 7.00 pH; 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, 4pH

R1407 pH Buffer Solution, 7pH

R1410 pH Buffer Solution, 10pH

R1420 Electrode Storage Solution

R1425 Electrode Storage Solution

R1004 4pH Calibration Buffer Pouches, 20-Pack

R1007 7pH Calibration Buffer Pouches, 20-Pack

CA-05A Soft Carrying Case



R3100SD Conductivity/TDS/Salinity Meter/Data Logger

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 integral SD memory card (optional)
- User selectable sampling rate
- Optional PC software features live tracking via USB connection
- Tripod mount for long-term monitoring
- Includes probe, batteries and hard carrying case
- **R3100SD-KIT** includes:
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

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

SD-4GB 4GB Class 4 SDHC Memory Card

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

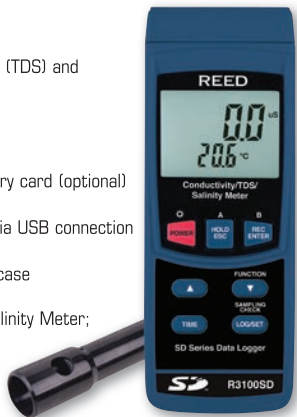
RSD-ADP-NA Power Supply, 110V

RSD-ADP-EU Power Supply, 220V

R1500 Tripod

CA-05A Soft Carrying Case

R8888 Deluxe Hard Carrying Case



R3000SD pH/ORP Meter/Data Logger

Features

- Measures pH and ORP levels in water
- Manual or automatic temperature compensation (with optional ATC probe, TP-07)
- 3-point calibration ensures best accuracy
- Accepts pH/ORP electrodes with BNC connector
- Real time datalogger with integral SD memory card (optional)
- User selectable sampling rate
- Large, easy-to-read backlit LCD display
- Data hold and Min/Max functions
- Optional PC software features live tracking via USB connection
- Tripod mount for long-term monitoring
- Includes batteries and soft carrying case
- **R3000SD-KIT** includes:
R3000SD Data Logging pH/ORP Meter;
R3000SD-PH2 General Purpose pH Electrode;
R3000SD-ORP Professional ORP Electrode
- **R3000SD-KIT2** includes:
R3000SD Data Logging pH/ORP Meter;
R3000SD-PH2 General Purpose pH Electrode;
R3000SD-ORP Professional ORP Electrode;
R1404 4pH Buffer Solution; R1407 7pH Buffer Solution
- **R3000SD-KIT3** includes:
R3000SD Data Logging pH/ORP Meter; R3000SD-PH2 pH Electrode;
R3000SD-ORP ORP Electrode; R3000SD-ATC ATC Temperature Probe,
RSD-16GB 16GB Micro SD Memory Card w/ Adapter; RSD-ADP-NA Power Adapter



Specifications

pH Range: 0.00 to 14.00 pH

ORP Range: -1999 to +1999 mV

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, 4pH

R1407 pH Buffer Solution, 7pH

R1410 pH Buffer Solution, 10pH

R1420 Electrode Storage Solution

R1425 Electrode Storage Solution

SD-4GB 4GB Class 4 SDHC Memory Card

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

R8888 Deluxe Hard Carrying Case



Test and Measure with Confidence



R9500 BRIX Refractometer

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
- 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)

Accessories & Replacement Parts

RPDPA1 Lens Cover



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

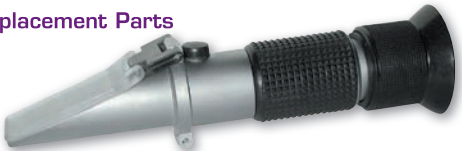
Specifications

Measuring Range: 0 to 28% (Salinity)

ATC Range: 10 to 30°C

Accessories & Replacement Parts

RPDPA1 Lens Cover



R9700 Battery Coolant 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

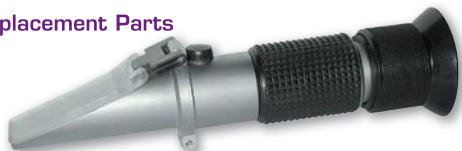
Measuring Range: -50 to 0°C

Specific Gravity of Battery Acid: 1.15 to 1.30

ATC Range: 10 to 30°C

Accessories & Replacement Parts

RPDPA1 Lens Cover



R7400 Digital Caliper

Features

- Large, easy-to-read 6-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
- Includes battery, screwdriver and hard carrying case

Specifications

Measuring Range: 0 to 6" (0 to 150mm)

Accuracy: $\pm 0.001"$ (.03mm)



SW600 Digital Stop Watch

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: 23 hrs, 59 mins, and 59 secs

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: $\pm 1\%$ rdg.



R9850 Digital Portion Control Scale

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



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 Pouch

- 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-525A Soft Carrying Pouch

- 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 Deluxe 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)



R8890 Deluxe 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)



R9950 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)



Accessories

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



R1500 Tripod



REED INSTRUMENTS



**TEST &
MEASURE
WITH CONFIDENCE**