

REED INSTRUMENTS

BUILDING & FACILITIES MAINTENANCE



BUILDING & FACILITIES MAINTENANCE teams are tasked with a number of challenges during a given week. Implementing a state-of-the-art program for routine maintenance of facility equipment such as HVAC and electrical systems; promotes optimal building efficiency; improves workplace safety; reduces the likelihood and severity of equipment downtime; and minimizes overall operating costs. Whether looking to troubleshoot electrical equipment, trace intermittent electrical faults, test motor temperatures, speeds, and phase sequence, perform predictive maintenance analysis, track component temperatures, and diagnose problems before expensive repairs occur, we have the tools for your needs.

Video Inspection Camera

- Camera and video functions save high resolution images and video
- 2.5" color LCD monitor and 9mm waterproof (IP67) camera head
- Four high visibility LED lights provide illumination in dimly lit environments
- Includes magnet, hook and mirror attachments, USB cable, batteries and hard carrying case



Model No R8500

Video Inspection Camera System

- Camera and video functions save high resolution images and record video/audio
- High resolution 16:9 7" TFT LCD display
- 12 high visibility LED lights
- Includes camera head, 65.6ft (20m) cable reel and push cable, remote control, hard carrying case with built-in DVR, battery pack and cable, car charger



Model No R9000

Thermal Imaging Camera

- 160 x 120 IR resolution (19,200 pixels)
- 0.05°C thermal sensitivity
- 2.8" color TFT display
- Built-in laser and LED flashlight
- Choice of 5 color palettes
- Hot and cold spot temperature and alarm indicators
- Includes USB cable, 16GB micro SD card, lens cover, and soft carrying case



Model No R2160

Wire Tracer/Circuit Tester

- Identify and locate wires, validate cable/line connections, verify telephone line continuity/line polarity
- Built-in non-contact voltage detector
- Adjustable sensitivity wheel
- Visual and audible indicators
- Includes transmitter, receiver, micro USB charging cable, RJ11 & RJ45 adapter cables, RJ11 alligator clip adapter cable and carrying case



Model No R5320

REED PRECISION TEST & MEASUREMENT INSTRUMENTS

CORRECTIVE OR BREAKDOWN MAINTENANCE: Corrective or breakdown maintenance implies that repairs are made once the equipment malfunctions and cannot perform its normal function. Under such conditions, production departments call on maintenance teams to correct the issue. At this stage, often times test and measurement instruments are used to identify, troubleshoot and repair the issue at hand.

Vane Anemometer

- Low friction rotating vane for improved accuracy and faster response
- Measures air velocity in fpm, m/s, kph, mph and knots
- Min/Max and Data Hold functions
- Designed for one hand operation
- Includes wrist strap and battery



Model No LM-81AM

Hot Wire Thermo-Anemometer

- Measure air velocity (fpm, m/s, kph, mph and knots) and air temperature (°C/°F)
- Contact temperature measurement with type J/K thermocouple option
- Real-time data logger with integral SD memory card
- Min/Max and Data hold functions
- Includes telescopic hot wire probe, batteries and hard carrying case



Model No R4500SD

Vane Thermo-Anemometer

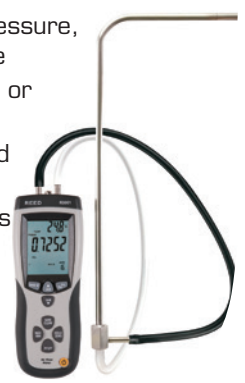
- Simultaneous display air velocity and air temperature on dual LCD display
- Calculates air volume (CFM)
- Measures fpm, m/s, kph, mph and knots
- Continuous air velocity averaging measurements for up to 2 hours
- Min/Max/Avg and Data Hold Functions
- Includes batteries and hard carrying case



Model No 8906

Anemometer/Manometer

- Simultaneously displays differential pressure, air velocity or airflow and temperature
- Air volume calculations of rectangular or circular duct areas
- Max, Min, Avg, Relative and Data Hold functions
- Real-time time-stamped measurements
- Includes silica tubes, pitot tube, USB cable, software, battery and hard carrying case



Model No R3001

Vane Thermo-Anemometer

- Measure air velocity (fpm, m/s, kph, mph and knots) and air temperature (°C/°F)
- Contact temperature measurement with type J/K thermocouple option
- Real-time data logger with integral SD memory card
- Min/Max and Data hold functions
- Includes rotating vane probe, batteries and hard carrying case



Model No R4000SD

Microwave Leakage Detector

- Detects very low levels of radiation
- Preset audible (beep) and visual (flashing LED) alarms at 5 mW/cm²
- 4-digit, backlit LCD display with Max hold function
- Zero button for quick adjustment
- Includes battery and soft carrying case



Model No R9200

REED PRECISION TEST & MEASUREMENT INSTRUMENTS

SCHEDULED OR ZERO HOURS MAINTENANCE: Under this type of industrial maintenance program the equipment is verified at scheduled intervals with the goal of identifying and replacing parts showing signs of “wear and tear” before they lead to bigger issues. The ideology of this program is based on “zero hours of operation”, that is, to keep the equipment running as if it was were new.

Refrigerant Leak Detector

- Detects all CFCs, HFCs, and HCFCs
- User adjustable sensitivity (High/Low)
- Audible (buzzer) and visual (tricolor LED bar) alarm indicators
- 15" (390mm) gooseneck for hard to reach areas
- Includes reference leak source, batteries and hard carrying case



Model No C-380

Combustible Gas Leak Detector

- Detects a wide range of combustible gases including: gasoline, propane, natural gas and fuel oil
- User adjustable sensitivity (High/Low)
- Audible (buzzer) and visual (tricolor LED bar) alarm indicators
- 15" (390mm) gooseneck for hard to reach areas
- Includes reference leak source, batteries and hard carrying case



Model No C-383

Indoor Air Quality Meter

- Triple LCD display simultaneously monitors carbon dioxide (CO₂), relative humidity and temperature
- Automatically calculates dew point and wet bulb temperatures
- Calculates statistical weighted averages of TWA (8 hour time weighted average) and STEL (15 minute short term exposure limit)
- User adjustable audible alarm
- Includes batteries and hard carrying case



Model No R9900

Indoor Air Quality Meter/Datalogger

- Measures oxygen (O₂), carbon dioxide (CO₂), carbon monoxide (CO), temperature and humidity
- Records up to 3 readings simultaneously
- User adjustable audible alarms
- Real-time datalogger with integral SD memory card
- Includes humidity probe, carbon monoxide probe, carbon dioxide probe, oxygen probe, batteries and hard carrying case



Model No R9910SD

Carbon Monoxide Meter

- Dual display shows carbon monoxide (CO) and temperature
- Capable of detecting CO concentrations up to 1000 ppm
- User adjustable alarm limit (audible beep frequency increases as CO level rises)
- Data hold and max functions
- Self test sequence on start-up
- Includes batteries and soft carrying case



Model No R9400

Carbon Monoxide Monitor

- Multi-line LCD simultaneously displays carbon monoxide (CO), ambient temperature, relative humidity, time and date
- Capable of detecting CO concentrations up to 999 ppm
- User adjustable alarm limit
- Max hold function
- Desk top or wall mountable
- Includes batteries



Model No R9450

REED PRECISION TEST & MEASUREMENT INSTRUMENTS

PREVENTATIVE MAINTENANCE: A well thought out Preventative Maintenance program includes the periodic inspection of equipment and machinery to identify and uncover conditions that lead to product breakdown. An effective program will correct such conditions early in the process before they become major issues, ultimately avoiding major downtime. REED provides sound level meters, light meters and thermometers used by maintenance teams in their Preventative Maintenance toolkits.

AC Clamp Meter, 400A

- Measures AC current, AC/DC voltage, resistance, capacitance, frequency, duty cycle and temperature
- Diode test and continuity check functions
- Built-in non-contact voltage detector with LED indicator in clamp tip
- 4000-count LCD display with display hold and relative mode
- Includes test leads, thermocouple wire probe, thermocouple adapter, batteries and soft carrying case



Model No R5020

Power Meter

- Calculates operating costs of household appliances
- Simply set the local utility rate in Killowatt-hours (kWh) and connect an appliance to start tracking cost
- Displays 8 important units of measure (voltage, current, watts, frequency, power factor, energy used (kWh), total cost and elapsed time)
- Includes battery



Model No R5090

TRMS AC/DC Clamp Meter, 500A

- Measures AC/DC current and voltage, resistance, capacitance, frequency, duty cycle and temperature
- True RMS AC measurements
- Diode test and continuity check functions
- Built-in non-contact voltage detector and contact thermometer
- Display hold and relative mode
- Includes test leads, thermocouple wire probe, thermocouple adapter, batteries and soft carrying case



Model No R5030

Insulation Tester

- Measure 250V, 500V or 1000V test voltages and insulation resistance up to 2000M Ω
- Large backlit dual displays insulation resistance and test voltage simultaneously
- Lo Ω function for testing connections
- Data hold function
- Includes test leads, alligator clip, hanging strap, batteries and hard carrying case



Model No R5600

TRMS AC/DC Clamp Meter, 1000A

- Measures AC/DC current and voltage, resistance, capacitance, frequency, duty cycle and temperature
- True RMS AC measurements
- Diode test and continuity check functions
- Built-in non-contact voltage detector
- 50,000-count backlit LCD display and analog bargraph
- Includes test leads, thermocouple wire probe, thermocouple adapter, batteries and soft carrying case



Model No R5040

Industrial Combo Kit

- R5010 TRMS Digital Multimeter
- R5020 AC Clamp Meter
- R2300 Infrared Thermometer
- R5100 Non-Contact AC Voltage Detector
- R1000 Safety Test Lead Set
- AD-1 Thermocouple Adapter
- TP-01 Beaded Wire Thermocouple Probe
- R8890 Hard Carrying Case



Model No RINDUST-KIT

REED PRECISION TEST & MEASUREMENT INSTRUMENTS

PREDICTIVE MAINTENANCE: In a Predictive Maintenance program, equipment conditions are measured periodically or on a continuous basis in order to take timely action. As examples, unusual sounds emitted from equipment could be an early indicator of a future issue; an excessively hot electrical cable could predict future trouble. Effective Predictive Maintenance programs make use of highly sensitive instruments such as vibration analyzers, thermal imagers and moisture meters to predict potential issues long before equipment failure.

AC Voltage Detector

- Capable of detecting the presence of AC voltage from a safe distance
- Audible (buzzer) and visual (LED) indicators when voltage present
- Built-in flashlight and pocket clip
- Suitable for outlets or against insulated wire (50 to 1000V AC)
- For use on 50/60Hz circuits
- Includes batteries



Model No R5100

Continuity Tester

- Local and remote continuity tester
- Visual (flashing bi-color LEDs) and audible (pulsating beeper) indicators
- Capable of testing cables/wires up to 10,000' (3000m)
- Remote probe allows for one person operation
- Includes battery



Model No R5300

Receptacle Tester with GFCI

- Plug the instrument into the receptacle under test and match the light pattern to the status indicator chart to determine the fault
- Detects most common 3-wire receptacle issues
- LED indicators identify 5 wiring faults
- Built-in GFCI trip test



Model No R5210

Circuit Breaker Finder

- Simply plug the transmitter into a receptacle and scan breaker box to identify the circuit
- Detects 5 3-wire receptacle wiring faults
- Built-in GFCI receptacle check function
- Adjustable sensitivity wheel
- Audible (buzzer) and visual (LED) indicators assist in identification
- Includes transmitter, receiver and battery



Model No R5500

Motor Rotation and 3-Phase Tester

- 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
- Includes 3 color-coded cables, 3 alligator clips, battery and soft carrying case



Model No R5004

AC Voltage/Current Datalogger

- Datalogs up to 256,000 measurements with user programmable sampling rates
- Dual input measures 2 voltage or current measurements or 1 of each
- Simultaneously displays time/date, current and Max/Min readings
- Includes AC current clamp sensors (2), voltage sensors (2), alligator clips (4), test probes (4), USB cable, software, AC adapter, batteries, and hard carrying case



Model No R5003

REED PRECISION TEST & MEASUREMENT INSTRUMENTS



Facilities and building maintenance encompasses a broad spectrum of services, competencies, processes, and tools required to assure the work environment will run at peak performance. Operations and Maintenance (O&M) typically includes the day-to-day activities necessary for the building structure, its systems and equipment, and occupants/users to perform their intended function.

Pinless Moisture Meter

- Non-destructive moisture detector measures moisture content in tiles, wood and building materials
- Simply run the probe over the surface area; detects from 0.8" (20mm) to 1.6" (40mm) deep
- Classifies moisture status as: dry, at risk or wet
- User adjustable alarms with audible and visual indicators
- Includes battery



Model No R6010

Moisture Meter

- Uses electrical resistance to measure the moisture content of sawn timber, cardboard paper, hardened materials like plaster, concrete and mortar
- Wood: 6 - 44% Moisture Content
Materials: 0.2 - 2.0% Moisture Content
- Built-in measurement verification and battery check
- Replaceable pins
- Includes pins, protective cap and batteries



Model No R6013

Moisture Meter

- Dual function moisture meter is capable of detecting moisture in wood and building materials by pin or by running the instrument over the surface area (non-destructive method)
- Pin Mode: 5 - 50% (wood); 1.5 - 33% (building materials); Pinless Mode: 0 - 99.9%
- Classifies moisture status as: low, medium and high
- Audible alert increases in frequency as detected moisture level rises
- Includes pins, protective cap and batteries



Model No R6018

Thermo-Hygrometer

- Dual LCD readout displays ambient temperature from -4 to 140°F/-20 to 60°C and relative humidity from 0 to 100% RH
- High sampling rate of 2.5 times/sec
- Data hold, Min/Max and Relative functions
- Includes battery and soft carrying case



Model No R6001

Digital Psychrometer

- Simultaneous display of % RH and air temperature
- Automatically calculates wet bulb and dew point temperatures without needing to consult charts
- Optional external probe (87P6) for contact/differential temperature measurement
- Max/Min/Avg readings
- User selectable °F/°C
- Includes batteries



Model No 8706

Temperature & Humidity Datalogger

- Stores up to 16,000 temperature and 16,000 humidity readings
- User selectable sampling rate from 1 sec to 24 hrs
- Real-time clock with date and time stamp
- Visible LED alarm
- Includes mounting bracket with screws, USB cable, software, security lock, and battery



Model No R6030

REED PRECISION TEST & MEASUREMENT INSTRUMENTS

The goals of a comprehensive maintenance program include; reducing capital repairs; reducing unscheduled shutdowns and repairs; extending equipment life; realizing life-cycle cost savings; and providing safe, functional systems and facilities that meet the design intent.

All REED Instruments are backed by a 1-year manufacturer's warranty.

Digital Stem Thermometer

- Quick responding, laboratory accuracy
- Stainless steel 4.65" (118mm) stem
- Measures from -40 to 482°F (-40 to 250°C)
- Easy-to-read LCD display with Data Hold function
- Keeps track of maximum and minimum readings
- Includes battery and protective probe cover



Model No R2222

Infrared Thermometer

- Non-contact temperature measurement of hot, hazardous or hard-to-reach objects from a safe distance
- Built-in laser pointer identifies target area
- 12:1 distance to spot size ratio
- Digitally adjustable emissivity
- Max and Min readings
- High and low alarms
- Includes battery



Model No R2300

Thermocouple Thermometer

- Single input type-K thermocouple thermometer
- -58 to 2000°F (-50 to 1300°C) and 223 to 2000 Kelvin
- User selectable °C, °F or Kelvin
- User selectable resolution of 0.1 or 1°F (0.1 or 1°C)
- Max and Data Hold functions
- Includes beaded wire thermocouple probe, protective holster, battery and soft carrying case



Model No R2400

Infrared Thermometer

- Built-in laser pointer
- 30:1 distance to spot size ratio
- Digitally adjustable emissivity
- Audible (beep) and visual (tri-color LED) user adjustable alarms
- Max, Min, Avg and Differential readings
- Store up to 5 pre-set high & low alarms and 5 emissivity settings
- Includes battery and soft carrying case



Model No R2320

Thermocouple Thermometer/Datalogger

- Displays up to 4 separate measurements simultaneously
- Accepts Type K, J, R, S, E, T thermocouple and RTD probes
- Temperature differential (T1-T2), Max/Min and Data hold functions
- User selectable °C or °F and resolution of 0.1° or 1°
- Real-time data logger with integral SD memory card
- Includes beaded wire thermocouple probe, batteries and soft carrying case



Model No R2450SD

Infrared Thermometer

- Dual lasers assist with target area identification
- 50:1 distance to spot size ratio
- Digitally adjustable emissivity
- Audible (beep) and visual (tri-color LED) user adjustable alarms
- Max, Min, Avg and Differential readings
- Store up to 5 pre-set high & low alarms and 5 emissivity settings
- Includes battery and soft carrying case



Model No R2330

REED INSTRUMENTS has the tools to help identify and diagnose problems, ultimately preventing unscheduled downtime. Whether looking to troubleshoot electrical equipment, trace intermittent electrical faults, test motor temperatures, speeds, and phase sequence, perform predictive maintenance analysis, track component temperatures, and diagnose problems before expensive repairs occur, REED Instruments has the right test and measurement equipment to meet facilities maintenance needs.

Sound Level Meter

- Meets ANSI and IEC Type 2 standards
- Dual range measurement (High and Low)
- A & C frequency weighting
- Fast & Slow time weighting
- Max hold and data hold functions
- Easy-to-read backlit LCD display
- Includes windshield ball, battery and hard carrying case



Model No R8050

LED Light Meter

- Measures ambient light levels of white, red, yellow, green and blue LED light and visible light in Foot-candles or Lux
- Also measures standard incandescent light sources
- Cosine and color corrected measurements
- User adjustable parameter for specialized light sources
- Includes sensor cover, battery, and hard carrying case



Model No R8140

Sound Level Meter

- Triple range measurement (60dB dynamic range)
- High accuracy of ± 1.4 dB meets IEC Type 2 standards
- A & C frequency weighting
- Fast & Slow time weighting
- Max hold and data hold functions
- Large LCD display with digital analog bargraph
- Includes windshield ball, battery and hard carrying case



Model No R8060

Light Meter/Datalogger

- Measures ambient light levels up to 100,000 Lux (10,000 Foot Candles)
- Photo diode and colour correction filters meet C.I.E. spectrum specifications
- Contact temperature measurement with a type J/K thermocouple option
- Real time data logger with integral SD memory card
- Includes detachable sensor, sensor cover, batteries and soft carrying case



Model No R8100SD

Sound Level Meter/Datalogger

- Records up to 64,000 datapoints with time and date stamp
- Triple range measurement (60dB dynamic range)
- 1.4 dB accuracy meets Type 2 standards
- A & C frequency weighting
- Fast & Slow time weighting
- Large, easy-to-read backlit LCD display with digital analog bargraph
- Includes windscreen, USB cable, software, batteries and hard carrying case



Model No R8080

Temperature Combination Kit

- R5008 Digital Multimeter with Temperature
- R2300 Infrared Thermometer
- R5100 Non-Contact AC Voltage Detector with Flashlight
- R1000 Safety Test Lead Set
- AD-1 Thermocouple Adapter
- TP-01 Beaded Wire Thermocouple Probe
- R8888 Hard Carrying Case



Model No RTEMP-KIT



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