

REED INSTRUMENTS

LABORATORY & WATER QUALITY

Water quality tests are carried out daily in order to maintain safe conditions and ensure compliance regulatory requirements are met. Testing is performed to evaluate ambient or environmental water quality (the ability of a surface water body to support aquatic life as an ecosystem); wastewater (characteristics of polluted water, domestic sewage or industrial waste, before treatment or after treatment); "raw water" quality (characteristics of a water source prior to treatment for domestic consumption i.e. drinking water); "finished" water quality (water treated at a municipal water purification plant); and suitability of water for industrial uses such as laboratory, manufacturing or equipment cooling.

Digital pH Pen

- Dual LCD simultaneously displays pH (0.00 to 14.00) and temperature (0 to 60°C/ 32 to 140°F) measurements
- Automatic temperature compensation and one touch calibration
- Replaceable pH electrode module
- Waterproof housing
- Includes protective cap, batteries and hard carrying case



Model No R3500

pH Meter Kit

- R3500 pH Meter
- R1404 Buffer Solution, 4.01 pH
- R1407 Buffer Solution, 7.00 pH



Model No R3500-KIT

pH/ORP Meter/Datalogger

- Measures and records pH (0.00 to 14.00) and ORP (0 to 1999 mV) levels in water
- Manual or automatic temperature compensation (with optional ATC probe)
- Data hold and Min/Max functions
- Real time datalogger with integral SD memory card (optional)
- Includes batteries and soft carrying case



Model No R3000SD

pH/ORP Meter/Datalogger Kit

- R3000SD pH/ORP Meter/Datalogger
- R3000SD-PH2 General purpose pH Electrode
- R3000SD-ORP ORP Electrode
- CA-05A Soft Carrying Case



Model No R3000SD-KIT

pH Calibration Buffer Solution Kit

- 6.9 fl oz (500ml) bottle with viewing strip and childproof cap
- Color-coded cap for easy identification
- ± 0.020 pH accuracy
- Manufactured and ready to use in accordance with and traceable to NIST publication 260-53 (PB 248-127)
- Label includes a table to display what the pH value should be given the buffer solution temperature
- Kit includes one bottle each of
 - **R1404:** 4.00 pH Buffer Solution (@25°C). Red cap.
 - **R1407:** 7.00 pH Buffer Solution (@25°C). Green cap.
 - **R1410:** 10.00 pH Buffer Solution (@25°C). Blue cap.



Model No R1400-KIT

Conductivity/TDS/Salinity Datalogger

- Measures conductivity (200 μ S to 200mS), total dissolved solids (200 to 200,000 ppm TDS) and salt (0 to 12%) levels in water
- Automatic temperature compensation
- Data hold and Min/Max functions
- Real time datalogger with integral SD memory card (optional)
- Includes probe, batteries and hard carrying case



Model No R3100SD

Electrode Care and Maintenance Kit

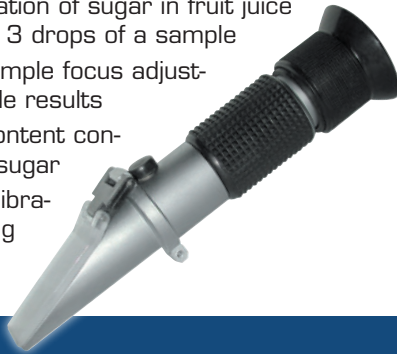
- Manufactured specifically for pH and ORP electrodes
- Includes one 16.9oz (500mL) bottle each R1420 and R1425
- **R1420:** Electrode Storage Solution. Minimizes microbial growth.
- **R1425:** Electrode Cleaning Solution. Eliminates impurities and residues that remain on electrode surfaces



Model No R1400-KIT2

BRIX Refractometer

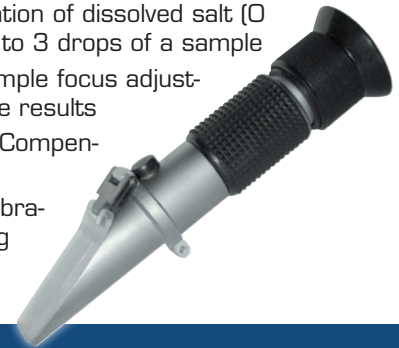
- Measures the concentration of sugar in fruit juice (0 to 32% BRIX) in 2 to 3 drops of a sample
- Prism and lens with a simple focus adjustment provides repeatable results
- Calibrated to sucrose content contained in 100g of cane sugar
- Includes cover plate, calibration screwdriver, cleaning cloth, sample applicator and hard carrying case



Model No R9500

Salinity Refractometer

- Measures the concentration of dissolved salt (0 to 28%) in water with 2 to 3 drops of a sample
- Prism and lens with a simple focus adjustment provides repeatable results
- Automatic Temperature Compensation (ATC)
- Includes cover plate, calibration screwdriver, cleaning cloth, sample applicator and hard carrying case



Model No R9600

Portion Control Scale

- Measuring Range: 5000 g/9 lb/15 oz
- User selectable metric and imperial units of measure
- Auto calibration feature
- Full tare capacity
- Large backlit LCD display
- Stainless steel platform
- Includes batteries



Model No R9800

Portion Control Scale

- Measuring Range: 15 kg/33 lb/529 oz/15000g
- User selectable metric and imperial units of measure
- Auto calibration feature
- Full tare capacity
- Large backlit LCD display
- Stainless steel platform
- Includes rechargeable batteries, power adapter and protective cover



Model No R9850

Digital Stopwatch

- Chronograph mode with 1/100th second resolution
Displays hour, minute, second, and day of the week
- Programmable alarm and snooze functions
- Records real time and split times
- Water resistant (IPX4)
- Includes lanyard and battery



Model No SW600

Heat Stress Stopwatch

- Measures temperature and humidity, calculates heat index and dew point
- Stopwatch/chronograph mode with 1/100 second resolution
- 12 or 24 hour clock, countdown timer, with built-in calendar
- Battery and solar powered
- Water resistant (IPX4 rated)
- Includes lanyard and battery



Model No SW700

Thermo-Hygrometer

- Dual LCD display shows relative humidity and ambient temperature simultaneously
- Measuring Ranges: 32 to 122°F (0 to 50°C) and 10-95% RH
- Min/Max and Data Hold functions
- Designed for one-handed field operation
- Includes wrist strap and battery



Model No LM-81HT

Thermo-Hygrometer

- Measures and displays ambient temperature and relative humidity simultaneously
- Measuring Ranges: -4 to 140°F/-20 to 60°C and 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

Thermo-Hygrometer/Datalogger

- Measures relative humidity, ambient temperature, dew point and wet bulb temperatures
- Contact temperature measurement with a type J/K thermocouple option
- Data hold and Min/Max functions
- Real time data logger with integral SD memory card
- Includes humidity/temperature probe, batteries and soft carrying case



Model No R6050SD

Carbon Monoxide Monitor

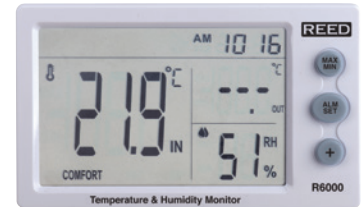
- Multi-line LCD simultaneously displays carbon monoxide (CO), ambient temperature, relative humidity, time and date
- Capable of detecting CO concentrations up to 999 ppm
- User adjustable alarm limit
- Max hold function
- Desk top or wall mountable
- Includes batteries



Model No R9450

Temperature/Humidity Monitor

- Measures indoor/outdoor temperature and humidity
- Internal memory stores minimum/maximum readings
- Waterproof sensor for outdoor temperature measurement with 6' (1.83 m) cable
- Built-in alarm clock and time display
- Desktop or wall mount
- Includes battery



Model No R6000

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

Environmental Meter

- 6-in-1 unit measures air velocity, air/ambient/contact temperature, relative humidity, and light levels
- Air velocity is measured in m/s, ft/min, km/h, mph or knots
- Light level is measured in foot-candles or lux
- Temperature is measured in °C or °F
- Data Hold and Max/Min functions
- Includes wrist strap and battery



Model No LM-8000

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, carbon monoxide, carbon dioxide and oxygen probes, batteries and hard carrying case



Model No R9910SD

Digital Stem Thermometer

- Pocket-sized stem thermometer with 4.75" (121mm) stainless steel probe and easily accessible calibration screw for quick adjustments
- Measures from -40 to 450°F (-40 to 230°C); user-selectable °C/°F
- Water resistant construction
- Includes protective probe cover and battery



Model No R2000

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

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 and 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

Thermocouple Thermometer Kit

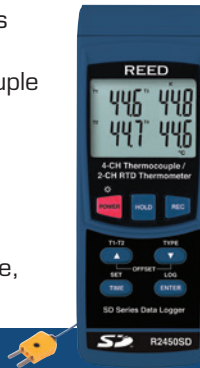
- R2400 Type K Thermocouple Thermometer
- R2920 Surface Thermocouple Probe
- R2940 Air/Gas Thermocouple Probe
- R2950 Immersion Thermocouple Probe
- TP-01 Beaded Wire Thermocouple Probe
- R8890 Hard Carrying Case



Model No R2400-KIT

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
- Real-time data logger with integral SD memory card
- Includes beaded wire thermocouple probe, batteries and soft carrying case



Model No R2450SD

RTD Thermometer

- Platinum resistor sensor requires less temperature compensation than thermocouple units
- Measures 3 types of RTD sensors: PT-100, PT-500 and PT-1000 (4 wire)
- Min/Max/Avg functions
- Relative mode and Data hold
- IP67 rated waterproof housing
- Includes RTD temperature Probe (PT-100) and batteries



Model No C-370

Temperature Simulator

- Source 8 thermocouple types, including R, S, B, E, K, J, T, N; and 7 RTD types, including Pt 10 (385), Pt100 (385), Pt200 (385), Pt500 (385), Pt1000 (385), Cu10, Cu50; plus volts and ohms
- Internal cold junction compensation
- Includes test leads, alligator clips, thermocouple adapter, protective holster and batteries



Model No R2800

Thermocouple Calibrator

- Source and measure 8 thermocouple types, including R, S, B, E, K, J, T, N; and volts
- Internal cold junction compensation
- Zero adjustment button
- Easy to read 6-digit LCD display
- User selectable unit of measure (°F/°C)
- Includes test leads, alligator clips, thermocouple adapter, protective holster and batteries



Model No R2810

