

REED INSTRUMENTS

LIBRARIES MUSEUMS & ARCHIVES

Critical to ensuring the long-term preservation of books and artifacts, the proper steps must be taken to ensure ideal environmental conditions are met. Factors such as light, temperature and humidity are recognized as the most dangerous to historic memorabilia. REED Instruments light meters, temperature and humidity meters can be used to measure environmental conditions on the spot or data log over a desired period to verify and confirm optimal conditions are being met. Other instruments of interest include air flow instruments (anemometers) to ensure HVAC systems are running efficiently and are well balanced.

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

Light Meter

- Autoranging light meter designed for one-handed operation
- Photo diode sensor with color correction filter
- User selectable Lux/Footcandle measurements
- Min/Max and data hold functions
- Zero adjustment button
- Includes wrist strap and battery



Model No LM-81LX

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

Light Meter

- Measures light intensity up to 40,000 Fc/400,000 Lux
- 42-segment digital analog bargraph with user selectable Lux/Footcandle readings
- Min/Max and Data Hold
- Peak and Relative functions
- Includes sensor cover, protective holster, battery and soft carrying case



Model No R8130

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

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

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
- Includes sensor cover, battery, and hard carrying case



Model No R8140

Digital Psychrometer

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



Model No 8706

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

Temperature/Humidity USB Datalogger

- Measures temperatures from -40 to 158°F (-40 to 70°C) and humidity (0-100% RH)
- Stores up to 16,000 temperature and 16,000 humidity readings
- User selectable sampling rate from 2 secs to 24 hrs
- Includes wall mount bracket and screws, protective USB cap, software and battery



Model No R6020

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

Humidity Calibration Standards

- For use with R6001, R6200, SD-3007 and 8706
- ±1% accuracy at 77°F (25°C)
- Compatible with probes with a diameter up to 0.6" (15mm)



- **R9933:** 33% RH Calibration Standard
- **R9975:** 75% RH Calibration Standard
- **R9980:** Kit includes R9933 and R9975 Humidity Calibration Standards



Model No R9933, R9975, R9980

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