

ENVIRONMENTAL METER/ DATA LOGGER

TECHNICAL DATA



FEATURES

- Measures relative humidity, air velocity, light levels, and temperature with a type J/type K thermocouple thermometer
- Also measures sound level with optional adapter
- Air velocity is measured in m/s, ft/min, km/h, mph or knots
- Light levels are measured in foot-candles or lux
- Temperature is measured in °C or °F
- Easy to read LCD with backlight
- Data hold and Max/Min record
- Real time data logger with integral SD memory card (OPTIONAL)
- Just plug the SD card into the computer and it downloads directly to EXCEL
- RS-232 and USB computer interface
- Auto or manual power off

SPECIFICATIONS

Air Velocity Range: 0.4 to 30.0 m/s; 1.4 to 128.0 km/h; 0.9 to 78.3 mph; 79 to 6890 fpm; 0.8 to 68.0 knots
Resolution: 0.1 m/s; 0.1 km/h; 0.1 mph; 1 fpm; 0.1 knot
Accuracy: $\pm 2\% + 0.2$ m/s (0.8 km/h; 0.4 mph; 40 fpm; 0.4 knot)
Humidity Range: 0% to 95% RH
Resolution: 0.1% RH
Accuracy: $\geq 70\%$ RH: $\pm (3\% \text{ reading} + 1\% \text{ RH})$
 $< 70\%$ RH: $\pm 3\% \text{ RH}$
Light Range: 0 to 20,000 Lux (0 to 1,860 Ft-cd)
Resolution: 1 Lux (0.1 Ft-cd)
Accuracy: $\pm (5\% \text{ rdg} \pm 8 \text{ dgt})$
Type K Temp. Range: -100.0 to 1300.0°C (-148.0 to 2372°F)
Resolution: 0.1°C/°F
Accuracy: $\pm (0.4\% + 0.5^\circ\text{C}/+1^\circ\text{F})$
Type J Temp. Range: -100.0 to 1200.0°C (-148.0 to 2192°F)
Resolution: 0.1°C/°F
Accuracy: $\pm (0.4\% + 0.5^\circ\text{C}/+1^\circ\text{F})$
Includes: Multi-function probe, hard carrying case, and batteries
Power Supply: 6 x 1.5V UM3/AA batteries
Dimensions: 135 x 60 x 33mm; Probe: 105 x 46 x 29mm
Weight: 515g

ORDERING INFORMATION

SD-9300 Environmental Meter/Data Logger
SL-417 Sound Level Adapter
TP-01 Type K Thermocouple Wire Probe

USB-01 USB Cable
SW-U801-WIN Data Acquisition Software
BS-6 Tripod
AP-9VA-110V AC Adapter
CERTIMTF4 NIST Calibration Certificate
SD-9300-NIST Environmental Meter & NIST