REED INSTRUMENTS

Environmental Meter/Datalogger
Model SD-9300

TECHNICAL DATA

Specifications

Air Velocity

Measuring Ranges:	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
Accuracy:	±2% + 0.2 m/s
	(0.8 km/h; 0.4 mph;
	40 fpm; 0.4 knot)
Resolution:	0.1 m/s, km/h, mph, knot
	1 fpm

Temperature

Measuring Ranges:	Air Temperature:
	32 to 122.0°F (0 to 50°C)
	Contact Temperature:
	Type K: -148 to 2372°F
	(-100 to 1300°C)
	Type J: -148 to 2192°F
	(-100 to 1200°C)
Accuracy:	Air Temperature: ±0.8°C (±1.5°F)
	Contact Temperature:
	±(0.4% +1°F(0.5°C))
Resolution:	0.1°F/°C

Humidity

Measuring Range:	5 to 95% RH
Accuracy:	>70%RH: ±(3% rdg + 1%RH)
	<70%RH: ±3%RH
Resolution:	0.1% RH

Features

- Measures air velocity/temperature, ambient temperature, relative humidity, light, and contact temperature
- Measures sound level (dB) with SL-417 (sold seperately)
- 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
- Data hold and Max/Min functions
- Real-time datalogger with integral SD memory card
- User selectable sampling rate from 1 to 3600 seconds
- Large, easy-to-read backlit LCD display
- Optional PC software features live tracking via USB connection
- Tripod mount for long-term monitoring
- Low battery indicator and auto shut off
- Includes multi-function probe, hard carrying case, and batteries

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TECHNICAL DATA

Light
Measuring Ranges:	0 to 20,000 Lux (0 to 1,860 Ft-cd)
Accuracy:	±(5% rdg ± 8 dgt)
Resolution:	1 Lux / 0.1 Ft-cd

Sound (Optional, SL-417 Adapter Sold Separately)
Measuring Ranges:	30 to 80dB
	50 to 100dB
	80 to 130dB
Accuracy:	Basic Accuracy of ±3.5dB
Resolution:	1 dB

General Specifications
Response Time:	1 sec
Display:	4-digit dual LCD
Backlit Display:	Yes
Data Hold:	Yes
Min:	Yes
Max:	Yes
Zero Adjustment:	Yes (for Light)
Datalogging Capabilities:	Yes
Real-Time Clock and Date Stamp:	Yes
Selectable Sampling Rate:	Yes (1, 2, 5, 10, 30, 60, 120, 300, 600, 1800, 3600s)
External Memory:	Yes, expandable up to 16Gb with SD card (optional)
Auto Shut-off:	Yes (after 10 mins/off)
Kick Stand:	Yes
Tripod Mountable:	Yes
Low Battery Indicator:	Yes
Power Supply:	6 x AA batteries or AC Adapter (optional)
Output:	Yes
PC Connectivity:	USB Cable (optional)
Software:	SW-U801-WIN Software (optional)
Software OS Compatibility:	Windows XP / Vista / 7
Product Certifications:	CE
Operating Temperature:	0 to 122°F (0 to 50°C)
Storage Temperature:	14 to 140°F (-10 to 60°C)
Operating Humidity:	10-85%
Dimensions:	Instrument: 5.3 x 2.4 x 1.3" (135 x 60 x 33 mm)
	Probe: 4.1 x 1.8 x 1.1" (105 x 46 x 29 mm)
Weight:	1.1lb (515g)

Model	Description
SD-9300	Environmental Meter/Datalogger
SL-417	Sound Level Adapter
R2920	Surface Thermocouple Probe
R2930	Right Angle Thermocouple Surface Probe
R2940	Air/Gas Thermocouple Probe
R2950	Immersion Thermocouple Probe
R2960	Needle Tip Thermocouple Probe
SD-4GB	4GB SD Memory Card
USB-01	USB Cable
SW-U801-WIN	Data Acquisition Software
AP-9VA-110V	AC Adapter
R1500	Tripod
CA-05A	Soft Carrying Case
R8888	Deluxe Hard Carrying Case
SD-9300-NIST	Environmental Meter/Datalogger & NIST