

TECHNICAL DATA

Features

- Measures oxygen (O₂), carbon dioxide (CO₂), carbon monoxide (CO), temperature and humidity
- Records up to 3 readings simultaneously
- User adjustable audible alarms
- User selectable unit of measure (°F or °C)
- Data hold and Max/Min functions
- Real-time datalogger with integrated SD memory card
- User selectable sampling rate from 1 sec to 8 hrs
- Easy-to-read backlit LCD display
- Tripod mount for long-term monitoring
- Low battery indicator and auto shut off
- Includes humidity probe, carbon monoxide probe, carbon dioxide probe, oxygen probe, hard carrying case & batteries

Specifications

Temperature

Measuring Ranges: 32 to 122.0°F (0 to 50.0°C)
Dew Point: -13.5 to 120.1°F
(-25.3 to 48.9°C)
Wet Bulb: -6.9 to 122.0°F
(-21.6 to 50°C)

Accuracy: ±1.5°F (±0.8°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

CO₂

Measuring Range: 0 to 4,000 ppm

Accuracy: <999 ppm: ±40 ppm
>1,000 ppm ≤3000 ppm: ±5% rdg
>3,000 ppm: ±250 ppm

Resolution: 1 ppm

CO

Measuring Range: 0 to 1,000 ppm

Accuracy: ±(5% + 2 ppm)

Resolution: 1 ppm

O₂

Measuring Range: 0 to 30% O₂

Accuracy: ±(1% + 0.2% O₂)

Resolution: 0.10%



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General Specifications

Alarm Threshold:	<18% O ₂
Response Time:	1 second
Display:	4-digit dual LCD
Backlit Display:	Yes
Data Hold:	Yes
Min:	Yes
Max:	Yes
Datalogging Capabilities:	Yes
Real-Time Clock and Date Stamp:	Yes
Selectable Sampling Rate:	Yes (1 second to 8 hours, 59 minutes and 59 seconds)
External Memory:	Yes, expandable up to 16GB with SD card (optional)
Auto Shut-off:	Yes (after 10 minutes/off)
Kick Stand:	Yes
Tripod Mountable:	Yes
Low Battery Indicator:	Yes
Power Supply:	6 x AA batteries or AC Adapter (optional)
Data Output:	Yes (RS-232)
Product Certifications:	CE
Operating Temperature:	32 to 122°F (0 to 50°C)
Storage Temperature:	14 to 140°F (-10 to 60°C)
Operating Humidity Range:	10 to 85%
Dimensions:	Instrument: 7.0 x 2.7 x 1.8" (177 x 68 x 45mm) Humidity Probe Length: 7.8" (197mm) CO Probe Length: 5.9" (150mm) CO ₂ Probe Length: 7.5" (190mm) O ₂ Probe Length: 5.9" (150mm)
Weight:	0.8lb (350g)



Model	Description
R9910SD	Data Logging Air Quality Meter
R9910SD-TH	Replacement Temp/Humidity Probe
R9910SD-CO	Replacement CO Probe
R9910SD-CO2	Replacement Carbon Dioxide Probe
R9910SD-O2	Replacement Oxygen Probe
R1500	Tripod
RSD-ADP-NA	Power Supply, 110V
RSD-ADP-EU	Power Supply, 220V
CA-05A	Soft Carrying Case
R8888	Hard Carrying Case
SD-4GB	4GB Class 4 SDHC Memory Card
RSD-16GB	16GB Micro SD Memory Card w/Adapter
R9910SD-NIST	Data Logging Air Quality Meter with NIST