

Data Logging Air Quality Meter Model R9910SD



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 (O 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) ±1.5°F (±0.8°C)

Accuracy:

Resolution: 0.1°F/°C

Humidity

Measuring Range: 5 to 95%RH

 $>70\%RH: \pm(3\% rdg + 1\%RH)$ Accuracy:

<70%RH: ±3%RH

Resolution: 0.1%RH

CO

Measuring Range: 0 to 4,000 ppm <999 ppm: ±40 ppm Accuracy:

>1,000 ppm ≤3000 ppm: ±5% rdg

>3,000 ppm: ±250 ppm

Resolution: 1 ppm

CO

Measuring Range: O to 1,000 ppm Accuracy: $\pm (5\% + 2 ppm)$

Resolution: 1 ppm

Oွ

Measuring Range: O to 30% O₂ Accuracy: $\pm (1\% + 0.2\% \, 0_{3})$

Resolution: 0.10%





Continued...



Data Logging Air Quality Meter Model **R9910SD**



General Specifications

Alarm Threshold: <18% O₂ 1 second Response Time: 4-digit dual LCD Display:

Backlit Display: Yes Data Hold: Yes Min: Yes Yes Max: Datalogging Capabilities: Yes

Real-Time Clock

and Date Stamp: Yes

Selectable

Sampling Rate: Yes (1 second to 8 hours, 59 minutes and 59 seconds)

Yes, expandable up to 16GB

External Memory:

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)

Yes (RS-232) Data Output:

Product Certifications:

Operating Temperature: 32 to 122°F (O to 50°C) 14 to 140°F (-10 to 60°C) Storage Temperature:

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. Probe Length:

7.5" (190mm)

0₂ Probe Length: 5.9" (150mm)

Weight: O.8lb (350g)

R9910SD-KIT

Data Logging Indoor Air Quality Meter with Power Adapter and SD Card

Includes:

R9910SD Data Logging Air Quality Meter, RSD-16GB 16GB Micro SD Memory Card with adapter and RSD-ADP-NA AC Power Adapter



TECHNICAL DATA







Model	Description
R9910SD	Data Logging Air Quality Meter
R9910SD-TH	Replacement Temp/Humidity Probe
R9910SD-C0	Replacement CO Probe
R9910SD-C02	Replacement Carbon Dioxide Probe
R9910SD-02	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-KIT	Data Logging Indoor Air Quality Meter with Power Adapter and SD Card
R9910SD-NIST	Data Logging Air Quality Meter with NIST