

Data Logging Indoor Air Quality Meter Model **R9905**



TECHNICAL DATA

Features

- Triple LCD display simultaneously monitors carbon dioxide (CO₂), temperature and relative humidity
- Calculates time-weighted average (TWA) and short-term exposure limit (STEL)
- Low-drift NDIR CO₂ sensor for stable and accurate readings
- Temperature and relative humidity measurements help determine thermal comfort
- Easy-to-read backlit LCD display
- User adjustable audible alarm
- Data hold, Max/Min and Average functions
- Record up to 32,000 datapoints and keep track with internal time and date stamp
- User selectable sampling rate from 1 to 60 mins
- · Low battery indicator and auto shut-off
- Includes USB cable, hard carrying case and batteries

Specifications

Temperature

Measuring Range: -4 to 140°F (-20 to 60°C)

Accuracy: ±1.5°F (±0.8°C)

O.1°F/°C Resolution:

Humidity

Measuring Range: O to 100% RH

10 to 90% RH: ±3% Accuracy:

<10% & >90% RH: ±5%

Resolution: 0.1% RH

CO₂ (Carbon Dioxide)

Sensor Type: Nondispersive Infrared (NDIR)

Measuring Range: O to 30,000ppm

Accuracy: O to 5000ppm: $\pm (75$ ppm + 3% rdg.)

5001 to 30,000ppm:

 $\pm (150 \text{ ppm } +5\% \text{ rdg.})$

Resolution: 1ppm 20 seconds Warm-up Time: Sampling Rate: 2 seconds



Continued...





Data Logging Indoor Air Quality Meter Model **R9905**



TECHNICAL DATA



General Specifications

LCD Display: Backlit Display: Yes Data Hold: Yes Min, Max, Avg Functions: Yes

CO₂ Short Term

Exposure Limit (STEL): Yes (15 minutes)

Yes

CO, Time Weighted

Average (TWA): Yes (8 hours)

Datalogging Capabilities:

Real-Time Clock and

Date Stamp: Yes

Selectable Sampling Rate: Yes (between 1s and 60m59s)

Yes (32,000 datapoints) Internal Memory: Alarms: Yes (Low and High)

Auto Shut-off: Yes (adjustable)

Kick Stand: Yes Low Battery Indicator: Yes

Power Supply: 9V battery

Battery Life: Approx. 10 hours (continuous use)

USB PC Connectivity:

Software OS Compatibility: Windows 7/8/10/11

Product Certifications:

Operating Temperature: 32 to 122°F (O to 50°C) Storage Temperature: -4 to 140°F (-20 to 60°C)

O to 90% Operating Humidity Range: Storage Humidity Range: 10 to 75%

Maximum

6561' (2000m) Operating Altitude: Dimensions: 11.2 x 2.6 x 1.5" (284 x 65 x 39mm)

10.7oz (304g) Weight:

R9905-KIT

Data Logging Indoor Air Quality Meter with Humidity Calibration Standards

Includes:

R9905 Data Logging Indoor Air Quality Meter and R9980 set of 33% and 75% Humidity Calibration Standards

Description

TO THE PARTY OF TH			
r Quality Meter			
r Quality Meter			
ture & Humidity Probe			
andard, 33%			
andard, 75%			

	IVIOGCI	Besch ipolon
	R9905	Data Logging Indoor Air Quality Meter
	R9905-NIST	Data Logging Indoor Air Quality Meter with NIST
	R9905-PROBE	Replacement Temperature & Humidity Probe
	R9933	Humidity Calibration Standard, 33%
	R9975	Humidity Calibration Standard, 75%
	R9980	Humidity Calibration Kit (33% and 75%)
	R8890	Large Hard Carrying Case
	R9905-KIT	Data Logging Indoor Air Quality Meter with Humidity Calibration Standards