

## INDOOR AIR QUALITY METER

## TECHNICAL DATA

### FEATURES

- Simultaneously monitors carbon dioxide (CO<sub>2</sub>), relative humidity and temperature
- Instantaneous readings are displayed on a high resolution LCD with backlight
- Dew point and wet bulb temperatures can also be displayed
- Displays STEL readings (Short-Term Exposure Limit) over a 15-minute period and TWA readings (Time-Weighted Average) over a period of 8 hours
- Hold function freezes displayed reading
- Maximum, minimum and average functions
- Low drift, non-dispersive infrared CO<sub>2</sub> sensor
- Audible warning alarm of excessive CO<sub>2</sub> concentrations
- RS232 output

### SPECIFICATIONS

**Ranges:** CO<sub>2</sub>: 0 to 5,000 ppm;  
Temperature: -10 to 60°C (14 to 140°F);  
Humidity: 0 to 99.9% RH; Dew Point: -73.4 to 60°C;  
Wet Bulb: -13.3 to 60°C

**Resolution:** CO<sub>2</sub>: 1 ppm; Temperature: 0.1°C/°F;  
Humidity: 0.1% RH

**Accuracy:** CO<sub>2</sub>: ±5% rdg. ±50 ppm; Temperature:  
±0.6°C (±0.9°F); Humidity: ±3% RH @ 25°C  
(10 to 90% RH) ±5% RH <10% & >90%

**Sensors:** CO<sub>2</sub>: Non-Dispersive Infrared (NDIR);  
Humidity: Rotronic capacitor

**Response Time:** 30 seconds

**Alarms:** Audible: 80dB

**Power Supply:** 4 x "AA" alkaline batteries

**Battery Life:** 24 hours



### ORDERING INFORMATION

R9900 ..... Indoor Air Quality Meter  
RHA-33 ..... 33% Humidity Calibration Standard  
RHA-75 ..... 75% Humidity Calibration Standard

CERTIMTF3 ..... NIST Calibration Certificate  
R9900-NIST ..... IAQ Meter & NIST