



Indoor Air Instruments



Model IAQ920
(Model IAQ910 not shown)

Indoor Air Quality Meters Model IAQ920

The IAQ920 Indoor Air Quality Meter quickly and accurately measures carbon dioxide, temperature, and humidity levels in real time with a single probe. It stores 12,700+ sets of downloadable readings with time and date stamp. It is the ideal instrument for investigating indoor air quality and performing thermal comfort studies.

Features and Benefits

- Stable NDIR sensor to monitor CO₂
- Manual or continuous data logging
- Includes LogDat2™ software and interface cable to download to a PC
- Calculates % outside air from CO₂ or temperature
- Displays humidity as %RH, dew point, and wet bulb

Indoor Air Quality Meters Model IAQ910 CO₂ Meter

The IAQ910 CO₂ Meter is an excellent handheld diagnostic instrument for measuring and monitoring carbon dioxide levels. HVAC professionals use it for conducting IAQ surveys, and evaluating ventilation systems in schools, offices, factories, and hospitals.

Features and Benefits

- Statistics function for average, maximum, and minimum values
- Large display
- Real-time CO₂ readings in parts per million (PPM)
- Integrated NDIR sensor

Applications

- Investigating indoor air quality
- Performing thermal comfort studies
- Checking ventilation systems
- Conducting IAQ evaluations

Accurate. Reliable. Every Time.



Indoor Air Instruments

Indoor Air Quality Meters

Models IAQ910 and IAQ920

Specifications

Models IAQ910 and IAQ920

CO₂

Range 0 to 5000 ppm
Accuracy¹ ±3% of reading at 25°C (77°F) or ±50 ppm, which is greater

Temperature (IAQ920 only)

Range 0 to 50°C (32 to 122°F)
Accuracy² ±0.6°C (1.0°F)
Resolution 0.1°C (0.1°F)

Humidity (IAQ920 only)

Range 5 to 95% RH
Accuracy³ ±3% RH (includes ±1% hysteresis)
Resolution 0.1% RH

Instrument Temperature Range

Operating (Electronics) 5 to 45°C (40 to 113°F)
Operating (Probe) -10 to 60°C (14 to 140°F)
Storage -20 to 60°C (-4 to 140°F)

Data Storage Capabilities (IAQ920 only)

Range 12,700+ samples and 100 test IDs

Logging Interval (IAQ920 only)

1 second to 1 hour

Time Constant (IAQ920 only)

User selectable

External Meter Dimensions

IAQ920 8.4 cm x 17.8 cm x 4.4 cm (3.3 in. x 7.0 in. x 1.8 in.)
IAQ910 8.4 cm x 24.4 cm x 4.4 cm (3.3 in. x 9.6 in. x 1.8 in.)

Meter Probe Dimensions (IAQ920 only)

Probe Length (including handle) 28.3 cm (11.15 in.)
Probe Diameter of Tip 19.0 mm (0.75 in.)

Meter Weight with Batteries

0.27 kg (0.6 lbs.)

Power Requirements:

IAQ920 Four AA-size batteries or AC adapter
IAQ910 Four AA-size batteries

	IAQ910	IAQ920
CO ₂	•	•
Temperature		•
%RH, wet bulb, and dew point		•
Minimum, maximum, and average	•	•
Manual data logging		•
Continuous data logging		•
LogDat2 downloading software		•
Free Certificate of Calibration	•	•

¹ Add uncertainty of ±0.36% of reading per °C [±0.2% of reading per °F] for change in temperature.

² Accuracy with instrument case at 25°C (77°F), add uncertainty of 0.03°C/°C (0.05°F/°F) for change in instrument temperature.

³ Accuracy with probe at 25°C (77°F). Add uncertainty of 0.2% RH/°C (0.1% RH/°F) for change in probe temperature. Includes 1% hysteresis.

Specifications subject to change without notice.

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