



INFORMATION & SPECIFICATIONS DATA SHEET

TEMPERATURE & PROCESS INSTRUMENTS INC

AQ-200 Series Multifunction Indoor Air Quality Hand Held Meter

**Interchangeable measurement modules
1 instrument = more than 1 range and 1 parameter.**

The New advanced AQ-100S carbon dioxide (CO₂) and ambient temperature meter is portable, highly accurate, durable, compact and user-friendly a hand held instruments designed to meet the needs of testing professionals in ANY Air Quality applications.

Ideal for Inspectors, Laboratories, HVAC, IAQ, Greenhouse, Offices, Commercial, Residential, and many more where carbon dioxide build up can cause environmental hazardous and safety concerns.

Features

- CO₂ measurement 0 to 5000ppm
- Measure Ambient Temperature 0 to 176°F (-18 to 80°C)
- Measure Current and Voltage
- Data Logging Store up to 8000 Points
- User-Friendly "Joystick" Navigation
- Large ICE BLUE backlight Display
- Adjustable automatic shut-off
- IP54 Housing
- Optional Humidity and Carbon Monoxide Probes

The AQ-200 portable meter is designed as a multifunctional environmental testing instrument. With optional interchangeable probes, this one meter which can measure Carbon Dioxide, Carbon Monoxide, Ambient Temperature, Humidity, Current and Voltage as well as Temperature using Thermocouples (J, K, T) or RTD sensors. Available in three preconfigured kits which represent the most popular configurations you can easily select the right proper model so that you have the tools you need on the first day.

AQ-200 Carbon Dioxide and Temperature Measurement Base Kit

AQ-200 portable indoor air quality meter includes CO₂ and temperature multi-function probe, voltage/current module. Each kit includes meter and probe, voltage and current input cables, 2 Pt100 channels (-100 to +400°C), PC output, calibration certificate, soft carrying case.

AQ-200P Base Kit plus Humidity Sensor

AQ-200P portable indoor air quality meter includes CO₂ and temperature multifunction probe, Humidity probe, voltage/current module. Each kit includes meter and probes plus voltage and current input cables, 2 Pt100 channels (-100 to +400°C), PC output, calibration certificate, soft carrying case.

AQ-200CO Base unit plus Humidity, Carbon Monoxide/Temperature Sensors

AQ-200P portable indoor air quality meter includes CO₂ and temperature multifunction probe, Humidity, CO and Temperature probes, voltage/current module. Each kit includes meter and probes plus voltage and current input cables, 2 Pt100 channels (-100 to +400°C), PC output, calibration certificate, soft carrying case.



AQ-200 Series Multifunction Indoor Air Quality Meter

Price Start at \$1035.00

* Price Subject to change without notice, please visit our web site for the latest pricing and specifications



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AQ-200 Series Multifunction Indoor Air Quality Hand Held Meter



Ideal for Inspectors, Laboratories, HVAC, IAQ, Greenhouse, Offices, Commercial, Residential, and many more where carbon dioxide build up can cause environmental hazardous and safety concerns.

Specifications

CO2 Measuring Range: 0 to 5000ppm

Accuracy: ±3 % of reading ±50ppm**

Resolution: 1ppm

Temperature Range Range: 0 to 176°F (-18 to 80°C)

Accuracy: ±0.4% of reading ±0.3°F

Resolution: 0.1°F/C

Current/Voltage Module

Measure: 0/4 to 20mA:

Accuracy: ±0.01mA

Resolution: 0.01mA

Measure: 0 to 2.5 V or 0 to 10 V

Accuracy: ±2mV, ±10mV

Resolution: 0.001 V, 0.01 V

Humidity Module P and CO Models

Range: 5 to 95% RH

Carbon Monoxide Probe CO Model

Multifunction CO/temperature probe: 0 to 1000ppm CO and 0 to 176°F (-18 to 80°C)

CO2 Sensor: Infrared sensor (Non dispersive - infrared sensor NDIR)

Carbon Dioxide Operating Principle

The AQ-200 uses a Non Dispersive Infrared Absorbance (NDIR) gas absorbs light at a specific wavelength, some of the intensity emitted by the infrared source is absorbed by the gas sample. The amount of light read by the IR sensor is inversely proportional to CO2 concentration.

Temperature Sensor: Pt100 class A

Display: 2 lines, LCD technology. Sizes 50 x 34.9 mm, 1 line of 5 digits with 7 segments (value), 1 line of 5 digits with 16 segments (unit)

Housing: Shock-proof ABS, IP54 protection

Keypad: Metal-coated with 5 keys

Conformity: Electromagnetically compatibility (NF EN 61326-1 guideline)

Power Supply: 4 alkaline batteries 1.5V LR6

Operating Temperature: 0 to 122°F (-18 to 50°C)

Storage Temperature: 0 to 176°F (-18 to 80°C)

Communication Port: USB

Auto Shut-off: 0 to 120 min. programmable

Weight: 6.7 oz

Languages: English, French

Probe Length: 12"

**the accuracy is expressed either by a deviation in ppm, or by a percentage of the value concerned. Only the bigger value is considered.

Order Information

Part Number	Description	Price
AQ200	AQ-200 portable indoor air quality meter includes CO2 and temperature multi-function probe, voltage/current module, voltage and current input cables, 2 Pt100 channels (-100 to +400°C), PC output, calibration certificate, soft carrying case.	\$1035.00
AQ200P	AQ-200P portable indoor air quality meter includes CO2 and temperature multifunction probe, Humidity probe , voltage/current module, voltage and current input cables, 2 Pt100 channels (-100 to +400°C), PC output, calibration certificate, soft carrying case.	\$1440.00
AQ200CO	AQ-200P portable indoor air quality meter includes CO2 and temperature multifunction probe, Humidity, CO and Temperature probes , voltage/current module, voltage and current input cables, 2 Pt100 channels (-100 to +400°C), PC output, calibration certificate, soft carrying case.	\$1849.00

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