**Thermo-Hygrometers**

**Indoor Air Quality Meter**

Measures CO₂, Temperature and Humidity

The **MODEL AQH-20** Handheld Indoor Air Quality Meter reduces the number of instruments a contractor has to carry by measuring carbon dioxide concentration, air temperature, and humidity percentage in one device. A large backlit LCD shows all three parameters simultaneously. This product offers user selectable engineering units, maximum/minimum/average readings, a hold function, and an audible alarm.

**FEATURES/BENEFITS**

- All-in-one unit for carbon dioxide, temperature, and humidity
- Large backlit LCD for visibility in dark areas
- User configurable alarms for audible indication of hazardous conditions

**APPLICATIONS**

- Building commissioning
- Pulp & paper

**SPECIFICATIONS**

- **Ranges:** CO₂: 0 to 2000 ppm; Temperature: 14 to 140°F (-10 to 60°C); Relative Humidity: 0.0 to 99.9% RH.
- **Accuracy:** CO₂: ±30 ppm ±5% of reading; Temperature: ±0.9°F (±0.6°C); Humidity: ±3% RH (10 to 90%), ±5% (0.0 to 9.9% or 90 to 99.9%).
- **Resolution:** CO₂: 1 ppm; Temperature: 0.1°F (0.1°C); Humidity: 0.1% RH.
- **Response Time:** CO₂: < 30 seconds; Temperature: < 2 minutes; Humidity: <10 minutes.

**Display:** 4 digits for temperature/CO₂ and 3 digits for humidity.

**CO₂ Sensor:** Non-dispersive infrared.

**Temperature Limits:** 32 to 122°F (0 to 50°C).

**Humidity Limits (Non-Condensing):** 0 to 95% RH.

**Power Requirements:** (4) 1.5 V AA alkaline batteries, included, user replaceable.

**Warm Up Time:** 30 seconds.

**Weight:** 6.76 oz (200 g).

**Agency Approvals:** CE.

**ACCESSORIES**

- **Model:** TH-CAL
  - **Description:** 33% and 75% salt bath calibration standards

**MODEL CHART**

**Model**

| AQH-20 | 0 to 2000 ppm | 0.0 to 99.9% | 14 to 140°F (-10 to 60°C) |

**ACCESSORIES**

- **Model:** TH-CAL
  - **Description:** 33% and 75% salt bath calibration standards

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**MODEL 485B**

**Thermo-Hygrometer**

Measures % RH, Temperature, Dew Point and Wet Bulb

The **MODEL 485B** Thermo-Hygrometer is a versatile, compact, handheld instrument for measuring percentage of relative humidity and temperature in °F or °C. Dew point and wet bulb temperatures are derived from the relative humidity and temperature measurements and are displayed on the LCD.

**FEATURES/BENEFITS**

- Compatible with Dwyer AP1 thermistor and VP1 100 mm vane thermistor probes (sold separately)
- Hold feature to freeze current readings on the display
- Stores up to 99 readings for future evaluation

**APPLICATIONS**

- Building commissioning
- Pulp & paper

**SPECIFICATIONS**

- **Range Temperature:** -20 to 200°F (-28 to 60°C).
- **Accuracy Temperature:** ±0.54°F @ 72°F (±0.3°C @ 25°C).
- **Display:** 4.5 digit LCD.

**Range Relative Humidity:** 0 to 100% (non-condensing).

**Power Requirements:** 9 V alkaline battery, included, user replaceable.

**Weight:** 10 oz (283 g).

**Agency Approvals:** CE.