



TEL-7001 Sensor

Telaire 7001 CO2 Sensor

The Telaire 7001 handheld carbon dioxide sensor features patented Absorption Infrared technology. Each sensor measures CO₂ and temperature and can calculate and display real-time ventilation rates. When combined with the HOBO U12 or ZW Series it can record CO₂, and when connected to an analog input on a H22, RX3000, or U30 Series it can record temperature and CO₂. The Telaire comes with an adapter but also operates up to 70 hours on 4 AA batteries (not included).

Supported Measurements:

Carbon Dioxide and Temperature

Key Advantages:

- Record 0 to 2500 ppm when using the CABLE-CO2 and a U12 or ZW
- Record 0 to 4000 ppm when using the CABLE-2070 and a H22 or U30
- AC Power Adapter Included



TEL-7001 Sensor Specifications

Measurement Range

When using the CABLE-CO2 and a U12 or ZW: 0 to 2500 ppm

When using the CABLE-2070 and a H22 or U30: 0 to 4000 ppm

Telaire 7001 operating range: 32°F to 122°F (0°C to 50°C), 0 to 95% RH, non-condensing

Display resolution: ±1 ppm

Accuracy: ±50 ppm or 5% of reading, whichever is greater

Repeatability: ±20 ppm

Temperature dependence: ±0.1% of reading per °C or ±2 ppm per °C, whichever is greater, referenced at 25°C.

Pressure dependence: 0.13% of reading per mmHg (corrected via user input for elevation)

Response time: <60 seconds for 90% of step change

Warm-up time: <60 seconds at 72°F (22°C)

Calibration interval: 12 months Full factory calibration available by contacting GE Measurement & Control Solutions.

Battery type: Four AA batteries (not included)

Battery operation: 80 hours (alkaline)

External power supply specifications

AC/DC adapter (included)

Output: 6 VDC, 500mA output.

Power connector: Round barrel with 2.5mm ID , 5.5mm OD, 12mm long, center positive (+6 VDC), outer shell ground.

Contact Us

Sales (8am to 5pm ET, Monday through Friday)

- ▶ Email sales@onsetcomp.com
- ▶ Call 1-508-759-9500
- ▶ In U.S. toll free 1-800-564-4377
- ▶ Fax 1-508-759-9100

Technical Support (8am to 8pm ET, Monday through Friday)

- ▶ Contact Product Support www.onsetcomp.com/support/contact
- ▶ Call 1-508-759-9500
- ▶ In U.S. toll free 1-877-564-4377

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