Applying to this Telaire CO₂ and Temperature Monitor:

<table>
<thead>
<tr>
<th>Onset Part No.</th>
<th>Outputs</th>
<th>Telaire Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEL-7001</td>
<td>0-4V representing 0 to 4000 ppm CO₂</td>
<td>7001</td>
</tr>
<tr>
<td></td>
<td>0-4V representing 0 to +40°C (+32 to +104°F)</td>
<td></td>
</tr>
</tbody>
</table>

This document provides instructions on connecting the Telaire CO₂ and Temperature Monitor listed above to each of the following:

- FlexSmart™ Analog Module used with HOBO H22 series data loggers
- Analog Sensor Port/Module option used with HOBO U30 and RX3000 series loggers
- Voltage adapter cables used with the U12 and UX120-006M data loggers and ZW series data nodes

It also lists configuration values used by HOBOware® software to configure the logger for the monitor. Note: For information on powering the monitor for long-term applications, and other monitor details, refer to the documentation provided by GE Sensing.

Required

- Telaire CO₂ and Temperature Monitor listed above
- Telaire Cable, Onset Part No. CABLE-2070 (not required for U12 or ZW series when recording CO₂ only)
- H22, U12, U30, UX120-006M, or RX3000 data logger, or HOBO ZW data node
- FlexSmart Analog Module, Onset Part No. S-FS-CVIA (for H22 series); Analog Sensor Port/Module option (for U30 and RX3000 series); voltage adapter, Onset Part No. CABLE-ADAPx or CABLE-CO2 (for U12, UX120-006M, or ZW series)
- HOBOware software, version 2.2.1 or higher (2.4.0 or higher for U30 series; 3.6 or higher for UX120-006M); HOBOware Pro 3.0 or higher for ZW series
- HOBOlink (for RX3000 series data loggers)

Connecting the CO₂ and Temperature Monitor to the Analog Module or Port

H22 Connection

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10334-G MAN-TELAIRE
U30 or RX3000 Connection (U30 Shown)

Analog Sensor Port

Shield

Ch1 Signal

Ch1 Return

Exc Out

Shield

Ch2 Signal

Ch2 Return

Ext Return

Black

Green

Red

ZW, U12, and UX120-006M Connection

CO₂ only

HOBO ZW Series Wireless Data Node; U12 or UX120-006M Logger

(ZW shown)

Connect to analog port

CABLE-ADAP5 (allows 0 to 4000 ppm CO₂ measurement range)

or

CABLE-CO2 (allows 0 to 2500 ppm CO₂ measurement range)
**ZW, U12, and UX120-006M Connection**

**CO₂ and Temperature**

*ZW, U12, or UX120-006M model with at least two analog ports is required to monitor CO₂ and temperature. Applicable models: ZW-006, ZW-007, ZW-008, U12-006, U12-013, and UX120-006M*

**Connecting the Monitor**

- **CO₂**
  - White (+)
  - Red wire not used
  - Black (-)

- **Temperature**
  - White (+)
  - Black (-)
  - (Red wire not used)

**CABLE-ADAP5**

* (allows 0 to 4000 ppm CO₂ measurement range)

- Use appropriate termination for all connections (denoted with ⬤)

**Configuring the Data Logger for the CO₂ and Temperature Monitor using HOBOware Software**

HOBOware software provides a configuration file for the monitor. The tables below list the recommended configuration values for the monitor that this file contains. For information on loading configuration files, refer to the software documentation.

<table>
<thead>
<tr>
<th>Channel 1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Channel Name</strong></td>
</tr>
<tr>
<td>CO₂</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Channel 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Channel Name</strong></td>
</tr>
<tr>
<td>Temperature</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>