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, UX120-006M, MX1104, and MX1105 data loggers and ZW series data nodes

It also lists configuration values used by HOBO 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, MX1104, MX1105, or RX3000 data logger, or HOBO ZW data node
- FlexSmart Analog Module, S-FS-CVIA (for H22 series); Analog Sensor Port/Module option (for U30 and RX3000 series); voltage adapter, CABLE-ADAP5 or CABLE-CO2 (for U12, UX120-006M, MX1104, MX1105, or ZW series)
- HOBOware® software, version 2.2.1 or higher for H22 or U12; 2.4.0 or higher for U30 series; 3.6 or higher for UX120-006M; HOBOware Pro 3.0 or higher for ZW series
- HOBOconnect™ for MX1104 and MX1105
- HOBOlink® for RX3000 series data loggers

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

**H22 Connection**
U30 or RX3000 Connection (U30 Shown)

ZW, U12, UX120-006M, MX1104, and MX1105 Connection

**CO₂ only**

HOBO ZW Series Wireless Data Node; U12, UX120-006M, MX1104, and MX1105 Logger (ZW shown)

CABLE-ADAP5 or SD-VOLT-05 (allows 0 to 4000 ppm CO₂ measurement range) or CABLE-CO2 (allows 0 to 2500 ppm CO₂ measurement range)
ZW, U12, UX120-006M, and MX1105 Connection

CO₂ and Temperature

**Connecting the CO₂ and Temperature Monitor**

- **CO₂** and Temperature Monitor
- **HOBO ZW Series Wireless Data Node** or **U12 Series Data Logger** *(ZW shown)*
  - Cable-ADAP5 or SD-VOLT-05

**CO₂ and Temperature Monitor**

- **White (+)**
- **Black (-)** *(Red wire not used)*
- **CABLE-ADAP5 or SD-VOLT-05**

**Temperature**

- **White (+)**
- **Black (-)** *(Red wire not used)*
- **CABLE-ADAP5 or SD-VOLT-05**

**Using Appropriate Cables**

- **CABLE-ADAP5 or SD-VOLT-05**
- **CABLE-2070**

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

Use the following recommended scaling values in the software:

<table>
<thead>
<tr>
<th>Channel 1</th>
<th>Channel Name</th>
<th>Measurement Type</th>
<th>Raw Value 1</th>
<th>Raw Value 2</th>
<th>Raw Units</th>
<th>Scaled Value 1</th>
<th>Scaled Value 2</th>
<th>Scaled Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CO₂</strong></td>
<td>Voltage</td>
<td></td>
<td>0</td>
<td>4</td>
<td>V</td>
<td>0</td>
<td>4000</td>
<td>PPM</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Channel 2</th>
<th>Channel Name</th>
<th>Measurement Type</th>
<th>Raw Value 1</th>
<th>Raw Value 2</th>
<th>Raw Units</th>
<th>Scaled Value 1</th>
<th>Scaled Value 2</th>
<th>Scaled Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Temperature</strong></td>
<td>Voltage</td>
<td></td>
<td>0</td>
<td>4</td>
<td>V</td>
<td>0</td>
<td>40</td>
<td>C</td>
</tr>
</tbody>
</table>

Refer to the software documentation for more details on setting up scaling.