

Telaire® Carbon Dioxide and Temperature Monitor Connection Instructions

For use with HOBO® H22 U12, U30, UX120-006M, MX1104, MX1105, and RX3000 data loggers and HOBO ZW data nodes

Applies to this Telaire CO₂ and Temperature Monitor:

Onset Part No.	Outputs	Telaire Part No.
TEL-7001	0-4V representing 0 to 4000 ppm CO ₂ 0-4V representing 0 to +40°C (+32 to +104°F)	7001

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.



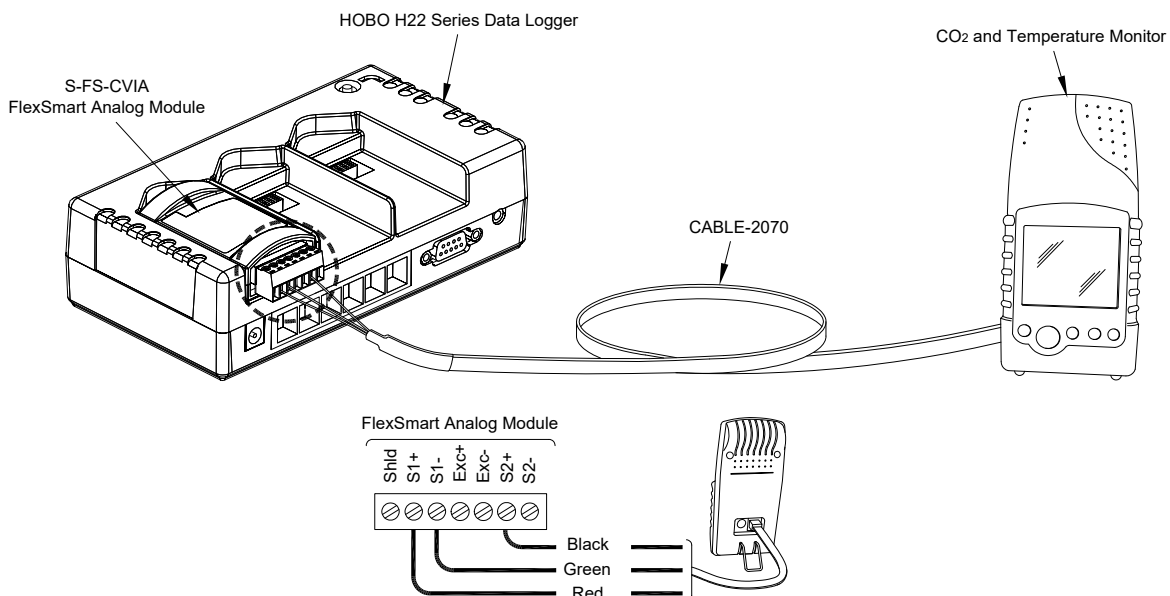
Telaire CO₂ and Temperature Monitor

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

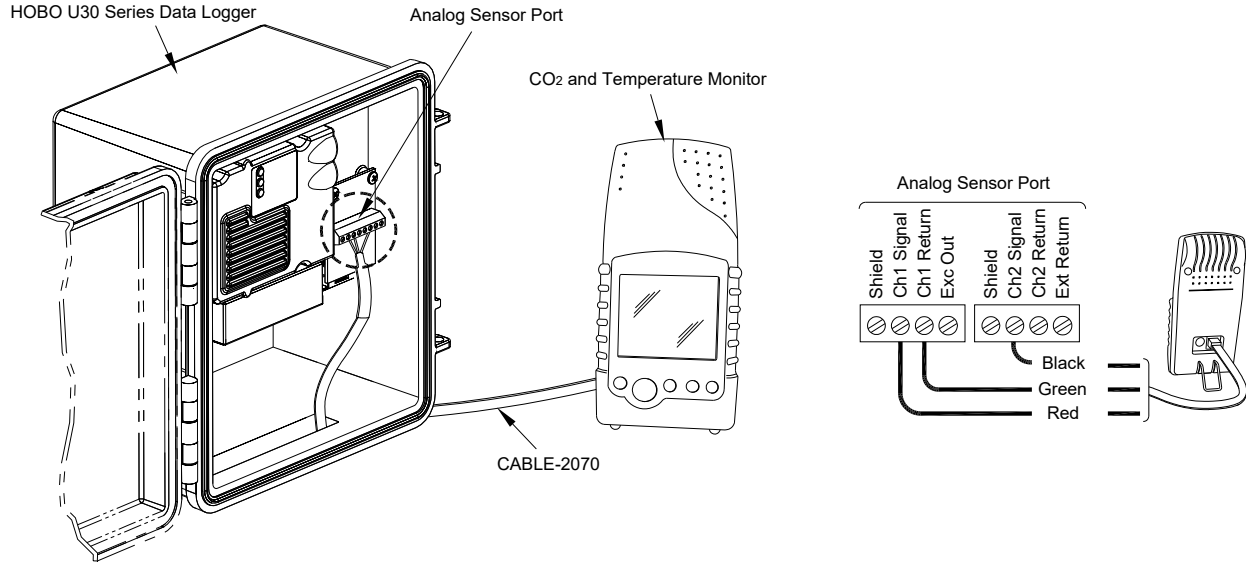
Connecting the CO₂ and Temperature Monitor to the Analog Module or Port

H22 Connection



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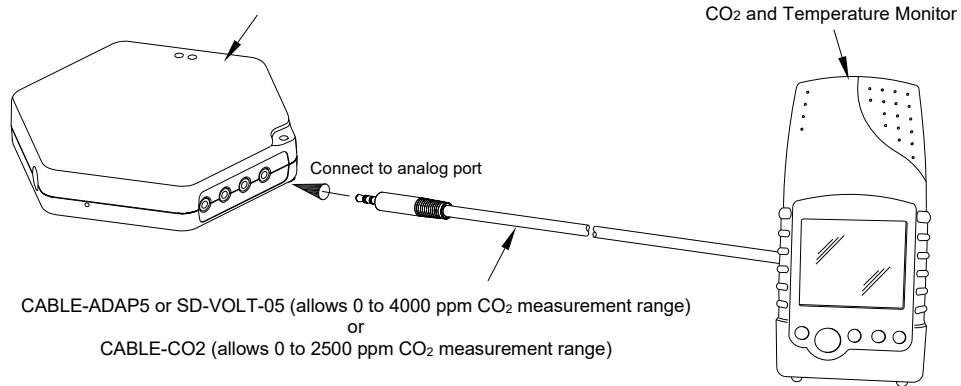
U30 or RX3000 Connection (U30 Shown)



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

CO₂ only

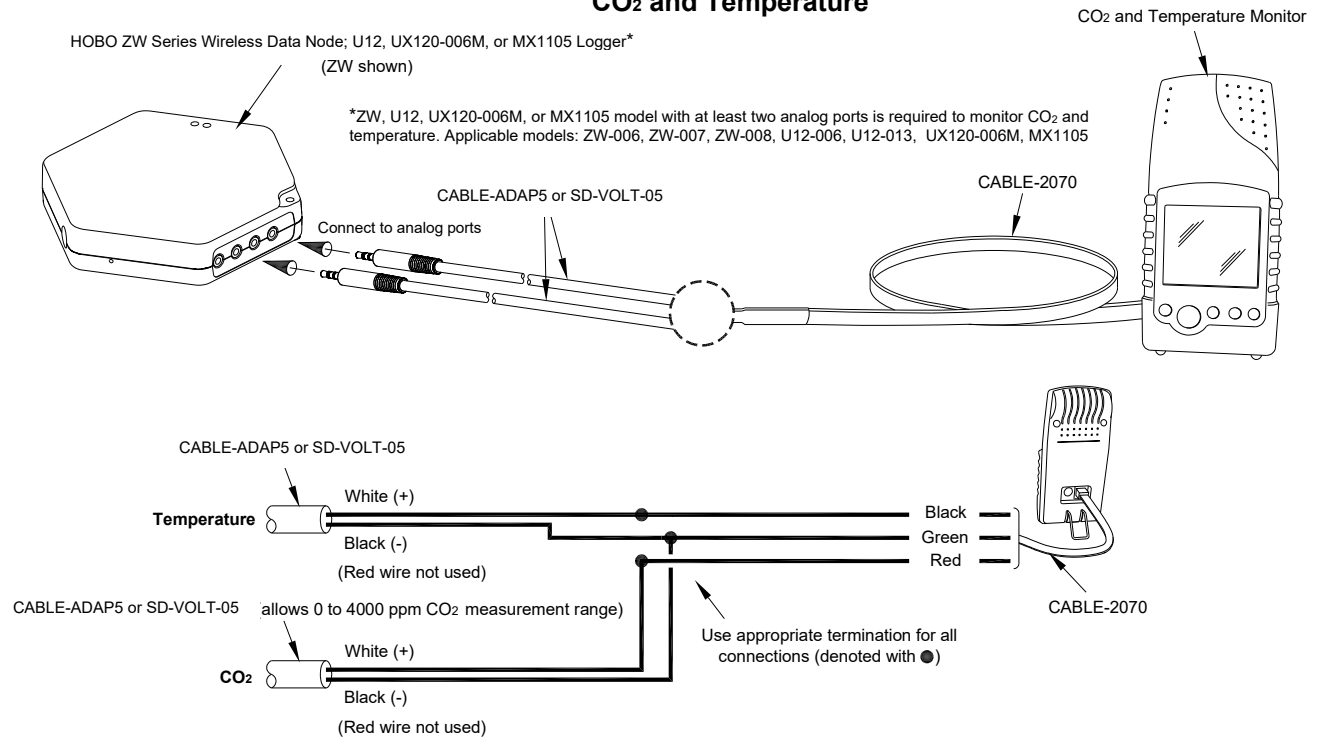
HOBO ZW Series Wireless Data Node; U12, UX120-006M, MX1104, and MX1105 Logger (ZW shown)



Telaire Carbon Dioxide and Temperature Monitor Connection Instructions

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

CO₂ and Temperature



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

Use the following recommended scaling values in the software:

Channel 1							
Channel Name	Measurement Type	Raw Value 1	Raw Value 2	Raw Units	Scaled Value 1	Scaled Value 2	Scaled Units
CO ₂	Voltage	0	4	V	0	4000	PPM

Channel 2							
Channel Name	Measurement Type	Raw Value 1	Raw Value 2	Raw Units	Scaled Value 1	Scaled Value 2	Scaled Units
Temperature	Voltage	0	4	V	0	40	C
					32	104	F

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