Introduction

The Thies Temperature Probe Model 2.1280.00.160 is a temperature sensor with an analog voltage output scaled between 0-1 V. These instructions explain how to use this sensor with a SymphoniePRO data logger.
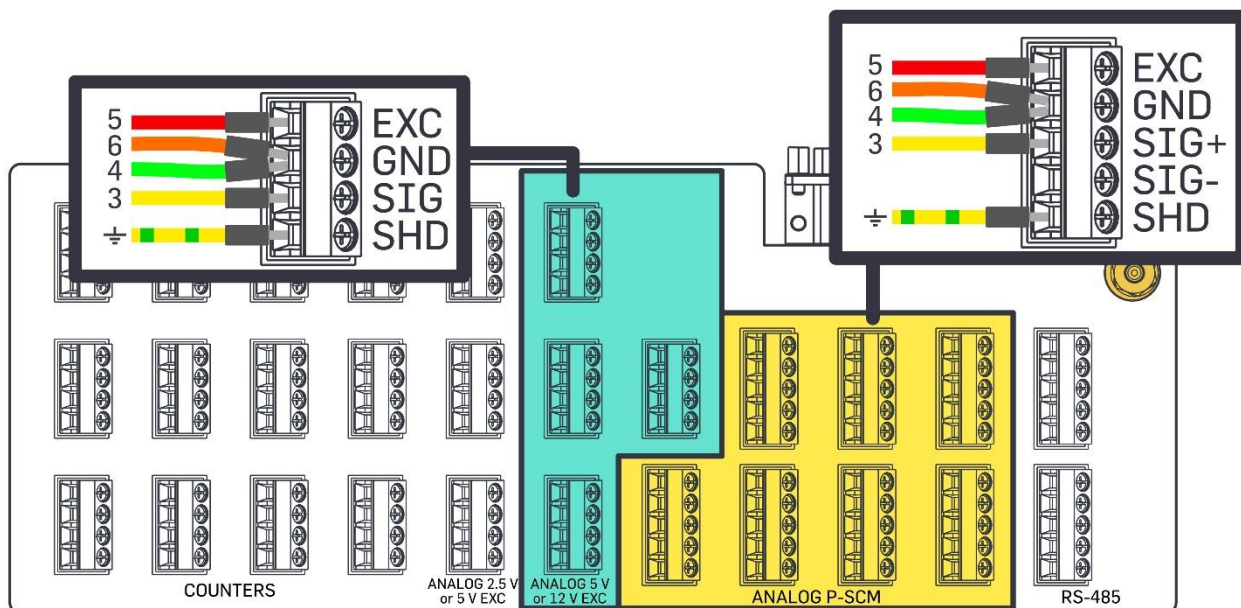
Refer to manufacturer's documentation for how to prepare, test, and install these sensors.

These instructions pertain to Thies Model 2.1280.00.160 temperature probe ONLY. Do not use these instructions for any other model of Thies Temperature Probe.

Wiring Panel Connections

Thies 2.1280.00.160 temperature sensor can be connected to a SymphoniePRO logger wiring panel on built-in analog channels 13-15 or P-SCM channels 20-26 with P-SCM #9131.

Note: NRG Systems makes an effort to maintain up-to-date information on wiring, but individual wire colors may be subject to change without notice.

Channel Configuration

1. Select "Statistics" or "Stats & Samples" from the **Data Logging Mode** drop-down.
2. Use "Analog" (default option) for **Channel Type**
3. Fill in **Description**, **Serial Number**, **Height**, and **Boom Bearing**, as appropriate.
4. Under Sensor Transfer Function, complete the fields as follows:

> **Scale Factor** = 100
>
> **Offset** = -30
>
> **Units** = C

Analog Channels 16-19:

Under Excitation in the right-most panel, select "Pulsed On" for **Mode** and "12 V" for **Voltage**.

P-SCM Channels 20-26:

Select P-SCM #9131 from the P-SCM drop-down in the right-most panel.