Applies to these Ashcroft Pressure Transducers:

<table>
<thead>
<tr>
<th>Onset Part No.</th>
<th>Rating</th>
<th>Output</th>
<th>Ashcroft Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-ASH-G2-100</td>
<td>100 PSIG</td>
<td>0-5V representing 0 to 100 PSIG</td>
<td>G27M0205F2100#G-#4177</td>
</tr>
<tr>
<td>T-ASH-G2-200</td>
<td>200 PSIG</td>
<td>0-5V representing 0 to 200 PSIG</td>
<td>G27M0205F2200#G-#4177</td>
</tr>
<tr>
<td>T-ASH-G2-500</td>
<td>500 PSIG</td>
<td>0-5V representing 0 to 500 PSIG</td>
<td>G27M0205F2500#G-#4177</td>
</tr>
</tbody>
</table>

This document provides instructions on connecting the Ashcroft Pressure Transducers listed above to each of the following:

- FlexSmart™ Analog Module used with HOBO H22 series data loggers
- Analog Sensor Port/Module used with HOBO U30 and RX3000 series data loggers
- Voltage adapter 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 each transducer. **Note:** For information on connecting the pressure transducer to the pressure source and other transducer details, refer to the documentation provided by Ashcroft.

**Required**

- Selected Ashcroft Pressure Transducer
- 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 (for U12, UX120-006M, MX1104, MX1105, or ZW series) or SD-VOLT-05 (for MX1104 and MX1105)
- 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 Pressure Transducer to the Analog Module or Port**

**H22 Connection**

- **For single pressure transducer:**
  - Red (V+)
  - Black (Common)
  - White (Output)
  - Bare (Shield)

- **For two pressure transducers:**
  - Red (V+)
  - Black (Common)
  - White (Output)
  - Bare (Shield)

**Note:** If the desired distance between the logger and pressure transducer is longer than one meter (3.3 feet), you may add a matching cabling length of up to 3.7 meters (12 feet).
**U30 or RX3000 Connection (U30 shown)**

**Pressure Transducer**

**Analog Sensor Port**

**Note:** If the desired distance between the logger and pressure transducer is longer than one meter (3.3 feet), you may add a matching cabling length of up to 3.7 meters (12 feet).

**RX3000 Connection**

**Ch #1 (3)**

- **Gnd**
- **+12V**
- **Ex Rtn**

**Ch #2 (4)**

- **Gnd**
- **Shld**

- **Red (V+)**
- **Black (Common)**
- **White (Output)**
- **Bare (Shield)**

*for single pressure transducer

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

**Connect to analog port**

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

**Pressure Transducer**

**Note:** If the desired distance between the logger and pressure transducer is longer than one meter (3.3 feet), you may add a matching cabling length of up to 3.7 meters (12 feet).

**Configuring the Data Logger for the Pressure Transducer using HOBOware Software**

HOBOware software provides configuration files for the transducers. The table below lists the recommended configuration values for each transducer that these files contain. For information on loading configuration files, refer to the software documentation.

**Note:** You can also use these values when configuring scaling in HOBOlink or HOBOconnect.

<table>
<thead>
<tr>
<th>Onset Part No.</th>
<th>Channel Name</th>
<th>Warm-Up*</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>T-ASH-G2-100</td>
<td>Pressure</td>
<td>0.03 sec</td>
<td>Voltage</td>
<td>0</td>
<td>5</td>
<td>V</td>
<td>0</td>
<td>100</td>
<td>PSIG</td>
</tr>
<tr>
<td>T-ASH-G2-200</td>
<td>Pressure</td>
<td>0.03 sec</td>
<td>Voltage</td>
<td>0</td>
<td>5</td>
<td>V</td>
<td>0</td>
<td>200</td>
<td>PSIG</td>
</tr>
<tr>
<td>T-ASH-G2-500</td>
<td>Pressure</td>
<td>0.03 sec</td>
<td>Voltage</td>
<td>0</td>
<td>5</td>
<td>V</td>
<td>0</td>
<td>500</td>
<td>PSIG</td>
</tr>
</tbody>
</table>

* Excitation power provided by the FlexSmart Analog Module (S-FS-CVIA) with H22; by the Analog Sensor Port/Module with U30 and RX3000; and by power adapter (AC-SENS-1) with ZW, U12, UX120-006M, MX1104, or MX1105.