



## HOBO<sup>®</sup> T-ASH-G2-x00 Sensor

### Ashcroft Gauge Pressure Sensor

The Ashcroft Gauge Pressure Sensor provides precision pressure measurements in compressed air systems, water, or other compatible gases and fluids, with an accuracy of  $\pm 1\%$  FS from  $-20^{\circ}$  to  $85^{\circ}\text{C}$  ( $-4^{\circ}$  to  $185^{\circ}\text{F}$ ) and only  $\pm 1.5\%$  FS  $-40^{\circ}$  to  $-20^{\circ}\text{C}$  and  $85^{\circ}$  to  $125^{\circ}\text{C}$  ( $-40^{\circ}$  to  $-4^{\circ}\text{F}$  and  $185^{\circ}$  to  $257^{\circ}\text{F}$ ).

Requirements for use with specific data loggers:

HOBO MX1100 series: a 0-5 Volt DC input cable (SD-VOLT-05) and external power provided by an AC adapter (AC-SENS-1) HOBO U12, UX120-006M or ZW series: a 0-5 Volt DC input cable (CABLE-ADAP5) and external power provided by an AC adapter (AC-SENS-1) HOBO RX3000: an analog input module (RXMOD-A1) HOBO U30: an analog input module (VIA) HOBO H22: an analog input module (S-FS-CVIA)



#### Key Advantages:

- High-performance pressure transducer for industrial applications.
- 1/4" NPT stainless-steel pressure connection.
- Available in 3 ranges: 100, 200 & 500 psig

## HOBO T-ASH-G2-x00 Sensor Specifications

**Measurement ranges:** 100, 200, 500 psig

**Compensated temp range:** -40° to 125°C (-40° to 257°F)

**Accuracy:**

±1% FS from -20° to 85°C (-4° to 185°F)

±1.5% FS -40° to -20°C and 85° to 125°C (-40° to -4°F and 185° to 257°F)

**Non-linearity:** less than ±0.1% of span typical

**Non-repeatability:** less than ±0.03% of span typical

**Hysteresis:** less than ±0.01 of span typical

**Stability:** less than ±0.25% of span/year

**Durability:** tested to 50 million cycles

**Overpressure:** 200% FS

**Response time:** less than 1 msec

**Power:** 9-36 VDC, 5mA

**Operating temp range:** -40° to 125°C (-40° to 257°F)

**Operating humidity range:** 0 to 100% RH, no effect

**Output signal to FlexSmart module:** 0-5 VDC, 3 wire

**Insulation breakdown voltage:** 100 VAC

**Insulation resistance:** greater than 100 megohms at 100 VDC

**Construction:** Shielded cable, 24 AWG, PVC jacket, 1-meter

**Pressure connection:** 1/4" NPT 304 stainless steel

**Sensor material:** 17-4PH stainless steel

**Housing material:** 20% glass reinforced nylon, fire retardant to UL94 V1

**CE compliance:** Per EN 61326: 1997 + A1: 1998 + A2: 2001, Annex A (Heavy Industrial)

**Dimensions:** 2.9 cm diameter x 6.4 cm long (1.15 in. diameter x 2.5 in. long)

**Outer cable diameter dimension:** 0.21 in. (5.4-mm)

**Weight:** 89.4g (3.15oz)

**Number of data channels:** 1

To download additional information and manuals from Ashcroft click [here](#).

## Contact Us

Sales (8am to 5pm ET, Monday through Friday)

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Technical Support (8am to 6pm ET, Monday through Friday)

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