



T-ASH-G2-x00

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° to 85°C (-4° to 185°F) and only $\pm 1.5\%$ FS -40° to -20°C and 85° to 125°C (-40° to -4°F and 185° to 257°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)

Product Numbers:

T-ASH-G2-100

T-ASH-G2-200

T-ASH-G2-500

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

Environmental Rating: IP 66

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

Contact Us

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

▶ Email sales@onsetcomp.com

▶ Call 1-508-759-9500

▶ In U.S. toll free 1-800-564-4377

▶ Fax 1-508-759-9100

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

▶ Contact Product Support www.onsetcomp.com/support/contact

▶ Call 1-508-759-9500

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