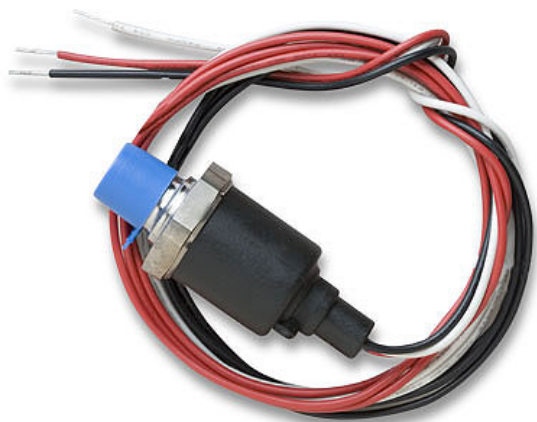


T-ASH-G2-100 • T-ASH-G2-200 • T-ASH-G2-500



## Ashcroft Gauge Pressure Sensor

### 100, 200 & 500 psig

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  $185^{\circ}\text{F}$ ).

### Supported Measurements

Gauge Pressure

### Features

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

### Contact Us

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

- Email [sales@onsetcomp.com](mailto: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 5pm ET, Monday through Friday)

- Contact Product Support [www.onsetcomp.com/support/contact](http://www.onsetcomp.com/support/contact)
- Call 1-508-759-9500
- In U.S. toll free 1-877-564-4377

Onset Computer Corporation  
470 MacArthur Boulevard  
Bourne, MA 02532

## Ashcroft Gauge Pressure Sensor (T-ASH-G2-x00) Specifications

<b>Measurement ranges</b>	100, 200, 500 psig
<b>Compensated temp range</b>	-40° to 125°C (-40° to 257°F)
<b>Accuracy</b>	±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)
<b>Non-linearity</b>	less than ±0.1% of span typical
<b>Non-repeatability</b>	less than ±0.03% of span typical
<b>Hysteresis</b>	less than ±0.01 of span typical
<b>Stability</b>	less than ±0.25% of span/year
<b>Durability</b>	tested to 50 million cycles
<b>Overpressure</b>	200% FS
<b>Response time</b>	less than 1 msec

## Sensor Connections

<b>Output signal</b>	0-5 VDC, 3 wire
<b>Power</b>	9-36 VDC, 5mA
<b>Warm-up Time</b>	<500ms
<b>Operating temp range</b>	-40° to 125°C (-40° to 257°F)
<b>Operating humidity range</b>	0 to 100% RH, no effect
<b>Insulation breakdown voltage</b>	100 VAC
<b>Insulation resistance</b>	greater than 100 megohms at 100 VDC
<b>Construction</b>	Shielded cable, 24 AWG, PVC jacket, 1-meter
<b>Pressure connection</b>	1/4" NPT 304 stainless steel
<b>Sensor material</b>	17-4PH stainless steel
<b>Housing material</b>	20% glass reinforced nylon, fire retardant to UL94 V1
<b>CE compliance</b>	Per EN 61326: 1997 + A1: 1998 + A2: 2001, Annex A (Heavy Industrial)
<b>Dimensions</b>	2.9 cm diameter x 6.4 cm long (1.15 in. diameter x 2.5 in. long)
<b>Outer cable diameter dimension</b>	0.21 in. (5.4-mm)
<b>Weight</b>	89.4g (3.15oz)
<b>Number of data channels</b>	1
<b>Environmental Rating</b>	IP 66

## Notices

To download additional information and manuals visit the Ashcroft website.