

# Accubar® SDI-12 Barometric Pressure Sensor Model 5600-0120-3-S



## Features

- ▶ Low power design makes it ideally suited for remote monitoring applications.
- ▶ Capable of operating at elevations of 2300 feet below sea level to 23,600 feet above sea level
- ▶ Wide temperature range -40°C to +60°C
- ▶ Low power consumption
- ▶ Solid state construction
- ▶ Low cost
- ▶ SDI-12 output
- ▶ Established reliability and stability
- ▶ Sealed NEMA-4 enclosure
- ▶ 400 to 1100mB (hPa) Range for all versions



| <b>SPECIFICATIONS</b>            |   |
|----------------------------------|---|
| Subject to change without notice |   |
| <b>Range</b>                     | 400 to 1100mB (hPa)<br>11.8 to 32.5 in. Hg                                    |
| <b>Elevation</b>                 | 2300 feet to 23,600 feet (-700 to 7200 meters)                                |
| <b>Accuracy</b>                  | 0.1 mB (hPa) @ 20°C   |
| <b>Resolution</b>                | Better than 0.01mB  |
| <b>Averaging Time</b>            | 0 to 120 seconds (user selectable)  |
| <b>Temperature Range</b>         | -40°C to +60°C  |
| <b>Power Consumption</b>         |   |
| <b>Supply Power</b>              | +8 to +16 VDC (reverse polarity protected)                                    |
| Standby                          | <0.1 mA   |
| <b>Measuring</b>                 | <4 mA   |
| <b>Output</b>                    | SDI-12 V1.3   |
| <b>Pressure Units</b>            | mB, hPa, kPa, in. Hg, mm Hg, ATM, psi, user specified                         |
| <b>Pressure Fitting</b>          | Hose barb for 3/16 in. ID hose  |
| <b>Cable Fitting</b>             | Cable gland for 0.12" to 0.26" diameter cable                                 |
| <b>Supplied Cable</b>            | 3 feet  |
| <b>DIMENSIONS</b>                | <i>Excluding cable gland, hose barb &amp; optional supplied mounting feet</i> |
| <b>Height</b>                    | 2.6 in. (6.7 cm)  |
| <b>Length</b>                    | 2.6 in. (6.7 cm)  |
| <b>Width</b>                     | 1.6 in. (4.1 cm)  |
| <b>Weight</b>                    | .42 lbs. (.2 Kg)  |

| <b>ORDERING</b>        |                                 |
|------------------------|---------------------------------|
| Part #                 | Description                     |
| 5600-0120-3A           | SDI-12 Barometer, 0.2 mB @ 20°C |
| 5600-0120-3B           | SDI-12 Barometer, 0.3 mB @ 20°C |
| 5600-0120-3C           | SDI-12 Barometer, 0.4 mB @ 20°C |
| Accessories            |                                 |
| 5600-0121              | Barometer Pressure Port         |
| 2271-1189              | Mounting Feet Replacements      |
| <b>SHIPPING</b>        |                                 |
| <b>Shipping Height</b> | 5 in. (12.7 cm)                 |
| <b>Shipping Length</b> | 5 in. (12.7 cm)                 |
| <b>Shipping Width</b>  | 3 in. (7.7 cm)                  |
| <b>Shipping Weight</b> | 1.5 lbs. (.7 Kg)                |



Accubar Barometric Pressure Sensor with Mounting Feet (included)

# Accuracy Specifications Comparison

