

# Accubar<sup>®</sup> Barometric Pressure Sensor

## 5600-0120



### SPECIFICATIONS

Specifications subject to change without notice

<b>Range</b>	500 to 1100mB (hPa)	
	14.8 to 32.5 in. Hg	
<b>Elevation</b>	-2,300 to 18,300 feet (-700 to 5,600 meters)	
<b>Accuracy</b>	0.5mB (hPa) over temperature range Consult factory for greater accuracy.	
<b>Resolution</b>	0.01mB	
<b>Long Term Stability</b>	±0.1 mB (hPa)/year	
<b>Average Time</b>	0 to 240 seconds (user selectable)	
<b>Temp Range</b>	-40°C to +60°C	
<b>Supply Power</b>	+8 to +30 VDC (reverse polarity protected)	
<b>Output</b>	Standard (-1)	RS-232 & SDI-12
	Analog (-2)	0-5VDC (programmable range)
<b>RS-232 Data</b>	Continuous or on-demand	
<b>Communication</b>	1200 baud, even parity, 7 data bits, one stop bit	
<b>Pressure Units</b>	mB, hPa, kPa, in. Hg, mm Hg, ATM, psi, user specified units	
<b>Vibration</b>	0.5g @ 10-50Hz	
<b>Pressure Fitting</b>	Hose barb for 3/16 in. ID hose	
<b>Electrical</b>	Cable gland for 1/4 in. cable to	
<b>Connection</b>	Terminal block for 16 to 28 AWG wire	
<b>Power Consumption</b>		
<b>5600-0120-1</b>	RS-232 active	17 mA typ
	SDI-12 active	6 mA typ
	SDI-12 standby	0.2 mA typ
<b>5600-0120-2</b>	RS-232 active	18 mA typ
	SDI-12 active	7 mA typ
	SDI-12 standby	4 mA typ
<b>DIMENSIONS</b>	<b>Device w/o Shipping</b>	<b>Shipping Dimensions</b>
<b>Height</b>	3 in. (7.7 cm)	5 in. (12.7 cm)
<b>Length</b>	4 in. (10.2 cm)	5 in. (12.7 cm)
<b>Width</b>	2.25 in. (5.8 cm)	3 in. (7.7 cm)
<b>Weight</b>	1.1 lbs. (.5 Kg)	2 lbs. (.91 Kg)
<b>ORDERING</b>		
<b>5600-0120-1</b>	Pressure Sensor, Barometric, RS-232 & SDI-12 outputs	
<b>5600-0120-2</b>	Pressure Sensor, Barometric, RS-232, SDI-12 & Analog 0-5VDC outputs	



### Features

- ▶ Low power design makes it ideally suited for remote monitoring applications.
- ▶ Capable of operating from elevations of 2300 feet below sea level to 18,300 feet above sea level
- ▶ Wide temp range -40°C to +60°C
- ▶ Low power consumption
- ▶ Solid state construction
- ▶ Low cost
- ▶ Light weight aluminum construction
- ▶ RS-232, SDI-12, and Analog 0 - 5 VDC outputs