

Accubar[®] Barometric Pressure Sensor

5600-0120



SPECIFICATIONS		
Specifications subject to change without notice		
Range	400 to 1100mB (hPa) 14.8 to 32.5 in. Hg	
Elevation	-2,300 to 23,600 feet (-700 to 7,200 meters)	
Accuracy	0.5mB (hPa) over temperature range Consult factory for greater accuracy.	
Resolution	0.01mB	
Average Time	0 to 240 seconds (user selectable)	
Temp Range	-40°C to +60°C	
Supply Power	+8 to +30 VDC (reverse polarity protected)	
Output	Standard (-1)	RS-232 & SDI-12
	Analog (-2)	0-5VDC (programmable range)
RS-232 Data	Continuous or on-demand	
Communication	1200 baud, even parity, 7 data bits, one stop bit	
Pressure Units	mB, hPa, kPa, in. Hg, mm Hg, ATM, psi, user specified units	
Vibration	0.5g @ 10-50Hz	
Pressure Fitting	Hose barb for 3/16 in. ID hose	
Electrical	Cable gland for 1/4 in. cable t o	
Connection	Terminal block for 16 to 28 AWG wire	
Power Consumption		
5600-0120-1	RS-232 active	17 mA typ
	SDI-12 active	6 mA typ
5600-0120-2	SDI-12 standby	0.2 mA typ
	RS-232 active	18 mA typ
	SDI-12 active	7 mA typ
	SDI-12 standby	4 mA typ
DIMENSIONS	Device w/o Shipping	Shipping Dimensions
Height	3 in. (7.7 cm)	5 in. (12.7 cm)
Length	4 in. (10.2 cm)	5 in. (12.7 cm)
Width	2.25 in. (5.8 cm)	3 in. (7.7 cm)
Weight	1.1 lbs. (.5 Kg)	2 lbs. (.91 Kg)
ORDERING		
5600-0120-1	Pressure Sensor, Barometric, RS-232 & SDI-12 outputs	
5600-0120-2	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