

Accubar[®] Barometric Pressure Sensor 5600-0120



Highly Accurate, Solid State Pressure Transducer



FEATURES

- Low power design makes it ideally suited for remote monitoring applications.
- Capable of operating from elevations of 1200 feet below sea level to 13,000 feet above sea level
- Wide temp range -45°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

ORDERING

5600-0120-1

Pressure Sensor, Barometric, RS-232 and SDI-12 outputs

5600-0120-2

Pressure Sensor, Barometric, RS-232, SDI-12 and Analog 0-5VDC outputs

SPECIFICATIONS

Specifications subject to change without notice

RANGE	500 to 1100mB (hPa)
	17.7 to 32.5 in. Hg
ELEVATION	-2,000 to 18,200 feet
ACCURACY	0.5mB (hPa) Consult factory for greater accuracy.
RESOLUTION	0.01mB
LONG TERM STABILITY	±0.1 mB (hPa)/year
AVERAGE TIME	0 to 240 seconds (user selectable)
TEMP RANGE	-60°C to +60°C
SUPPLY POWER	+8 to +30 VDC (reverse polarity protected)
OUTPUT	Standard (-1) RS-232 & SDI-12
	Optional (-2) RS-232, SDI-12, & Analog 0-5VDC (Accuracy 7 mV)
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
DIMENSIONS	3.14 in. x 2.95 in. x 2.24 in. excluding connectors and cable
WEIGHT	<1 lb
VIBRATION	0.5g @ 10-50Hz
PRESSURE FITTING	Hose barb for 3/16 in. ID hose
ELECTRICAL	Cable gland for 1/4 in. cable to
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 standby 2 mA typ
POWER CONSUMPTION 5600-0120-2	RS-232 active 18 mA typ SDI-12 active 9 mA typ standby 8 mA typ