

Accubar Gauge Pressure Sensor

5600-0125



Highly accurate solid state pressure transducer measures air/dry gas pressures from 0 to 22 psi with a maximum pressure of 35 psi.

FEATURES

- ▶ Mercury manometer replacement
- ▶ Pressure activated control applications
- ▶ Ideal for remote monitoring applications
- ▶ Supports SDI-12
- ▶ With 5600-0126 chart drive, the Accubar can drive chain or tape driven devices including chart recorders.
- ▶ Quadrature output connects to data recorders.
- ▶ Durable aluminum case
- ▶ DB-9 female connector, for RS-232
- ▶ 8 position terminal block
- ▶ Fitting for a 1/8 in. OD tubing
- ▶ Low power consumption
- ▶ Low maintenance requirement

ORDERING

5600-0125-7	Pressure Sensor, Accubar® Gauge, RS-232, SDI-12, and quadrature outputs
5600-0125-8	Pressure Sensor, Accubar® Gauge, RS-232, SDI-12, Analog 0-5VDC, and quadrature outputs

SPECIFICATIONS

Range	0 to 22 psi (0 to 50 feet of water)
Temperature	-40°C to +60°C
Vibration	0.5g @ 10-50 Hz
Over Pressure	35 psi
Units Supported	ft of H2O, cm of H2O, psi, kPa, user specified
Resolution	0.0001 psi (0.0001 ft of water)
Accuracy	0.1% of reading above 4.4 psi (10ft H2O) 0.0044 psi (0.01ft H2O) below 4.4 psi
Power Supply	8 to 28 VDC (reverse polarity protected)
Power Consumption	(-7) :RS-232 17 mA typ
	(-7) :SDI-12 6 mA typ
	(-7) :Standby 0.2 mA typ
	(-8) :RS-232 18 mA typ
	(-8) :SDI-12 9 mA typ
	(-8) :Standby 8 mA typ
	Power specifications under no-load conditions
Output	(-7) :RS-232, SDI-12, quadrature
	(-8) :RS-232, SDI-12, quadrature
	Analog 0-5VDC
RS-232 Data	Continuous or on demand
Baud Rate	1200 baud
Averaging Time	0 to 240 seconds (user selectable)
Pressure Fitting	Fitting for 1/8 in. OD tubing
Overpressure	Internal blow-off valve trips
Protection	30 psi nominal
Dimensions	3.14 in. x 4.92 in. x 2.24 in. excluding connectors
Weight	1.5 lbs.
Electrical Connection	8 position terminal block & DB-9
Media Compatibility	Air or dry gas

Specifications subject to change without notice



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page 1
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