

Accubar[®] Gauge Pressure Sensor

56-0125-50-1, 56-0125-50-2



SPECIFICATIONS		
Range	0 to 50 psi; 0 to 115 feet (35 m) of water	
Temperature	-40°C to +60°C	
Vibration	0.5g @ 10-50 Hz	
Over Pressure	100 psi	
Units Supported	ft of H ₂ O, cm of H ₂ O, psi, kPa, user specified	
Resolution	0.0001 psi (0.0001 ft of water)	
Accuracy	0.05% FSO (-40°C to +60°C) Including any linearity, pressure hysteresis & temperature errors"	
Higher accuracy available on request.	Power Supply to 28 VDC (reverse polarity protected)	
Power Consumption	56-0125-50-1 :RS-232	17 mA typ
<i>Power specifications under no-load conditions</i>	56-0125-50-1 :SDI-12	6 mA typ
	56-0125-50-1 :Standby	0.2 mA typ
	56-0125-50-2 :RS-232	18 mA typ
	56-0125-50-2 :SDI-12	9 mA typ
	56-0125-50-2 :Standby	8 mA typ
Output		
56-0125-50-1	RS-232, SDI-12, quadrature	
56-0125-50-2	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	
Electrical Connection	8 position terminal block & DB-9	
Media Compatibility	Air or dry gas	
DIMENSIONS (excluding connectors)		
	Device (un-packaged)	Shipping
Height	5 in. (12.7 cm)	14 in. (35.6 cm)
Length	4.5 in. (11.5 cm)	10 in. (25.4 cm)
Width	2.25 in. (5.8 cm)	6 in. (15.3 cm)
Weight	1.5 lbs. (.68 Kg)	2.5 lbs. (1.14 Kg)
ORDERING		
56-0125-50-1	Pressure Sensor, Accubar [®] Gauge, RS-232, SDI-12, & quadrature outputs	
56-0125-50-2	Pressure Sensor, Accubar [®] Gauge, RS-232, SDI-12, Analog 0-5VDC, & quadrature outputs	



FEATURES

Highly accurate solid state pressure transducer measures air/dry gas pressures from 0 to 50 psi with a maximum pressure of 100 psi.

- ▶ 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