ACCUBAR® GAUGE PRESSURE SENSOR
56-0125-50

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

Part Number	Description
56-0125-50-1	Pressure Sensor, Accubar® Gauge, RS-232, SDI-12, and quadrature outputs
56-0125-50-2	Pressure Sensor, Accubar® Gauge, RS-232, SDI-12, Analog 0-5VDC, and quadrature outputs

SPECIFICATIONS

Specifications subject to change without notice

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_20, cm of H_20, 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	8 to 28 VDC (reverse polarity protected)

Power Consumption

56-0125-50-1:	RS-232	17 mA typ
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

Power specifications under no-load conditions

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
Dimensions		3.14 in. x 4.92 in. x 2.24 in. excluding connectors
Weight		1.5 lbs
Electrical Connection		8 position terminal block and DB-9
Media Compatibility		Air or dry gas

SUTRON
21300 RIDGETOP CIRCLE
(703)406-2800
STERLING, VA 20166
(703)406-2801 FAX
WWW.SUTRON.COM
SALES@SUTRON.COM