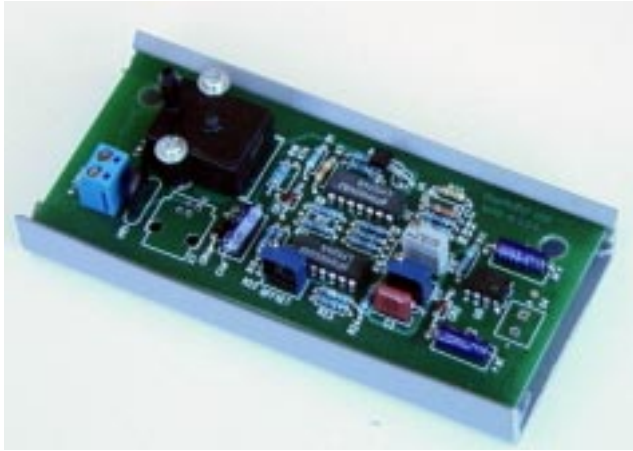


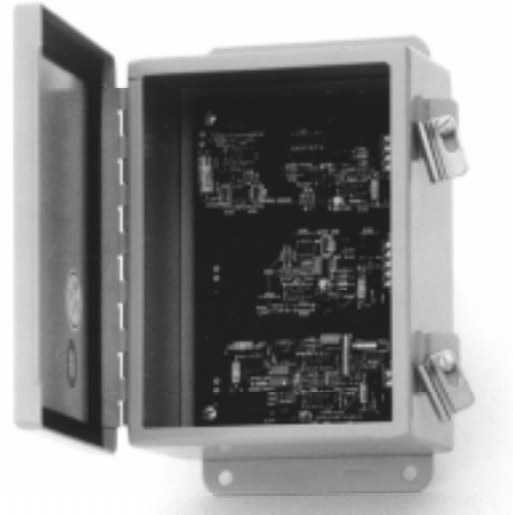
Model A70-P

Barometric Pressure Transmitter

Document 1868B



A70-P-T Track Mounted



A70-SDPL-N12 in NEMA 12 Box

The barometric pressure is sensed by an integrated silicon absolute pressure sensor with internal temperature compensation. The sensor is mounted to the signal conditioner board. A 3/16 inch diameter tube may be attached to the sensor to provide remote pressure sensing. The output of the sensor is scaled to provide the desired output signal.

Systems are available with outputs of 0-1 mA, 0-1 V or 4-20 mA. All systems may be powered from either 120 VAC, 230 VAC or 12 - 24 VDC.

The instruments are available in a variety of packages including steel JIC boxes meeting NEMA 12 standards, weatherproof fiberglass

enclosures meeting NEMA 4X, IP66 and IEC 529 standards and track mounted versions. NEMA 12 enclosures provide protection from dust for indoor applications. NEMA 4X enclosures may be used indoors or outdoors. They provide protection from corrosion, wind blown dust and rain and are undamaged by ice. Track mounted versions are intended for mounting inside an enclosure provided by the user. Where required, electrical connection to the sensor is via terminal block. A barrier strip is provided for connection to operating power.

Each system is provided with a detailed instruction manual.

ISO 9001 Registered

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Model A70-P

Model Designation

A70-WXY - Z				
Sensor		Output Signal	Operating Voltage	Enclosure
S	Wind Speed	V 0-1 V	0 Loop Powered	T Track
D	Wind Direction	I 0-1 mA	1 12 - 24 VDC	N12 NEMA 12
I	Solar Radiation	L 4-20 mA	6 120 VAC, 50/60 Hz	N4XFG NEMA 4X Fiberglass
P	Barometric Pressure		7 230 VAC, 50/60 Hz	N4XSS NEMA 4X SS
T	Temperature			
R	Rainfall			

Operating power for models with 4-20 mA outputs can be provided by the current loop or externally. Loop power must be a regulated DC source in the range of 12 - 24 VDC. Models with 4-20 mA outputs will be loop powered if no operating power specifier (X) is present or specified as "0".

Specifications

Range :	/E 27 - 31 inches of mercury
	/M 900 - 1100 mili Bar
Worse case error :	± 0.05 inches Hg, ± 2 mili Bar
Size :	Track Mount 1.75 inches W X 5.0 inches L X 1 inches H
	NEMA 12 6 inches W X 8 inches H X 4 inches D
	NEMA 4X 6 inches W X 8 inches H X 4 inches D
Weight :	Track Mount 1 lbs
	NEMA 12 6 lbs
	NEMA 4XFG 4 lbs
	NEMA 4XSS 6 lbs
Operating : Temperature	Electronics 0/60 degrees C
Connectors :	Barrier strips to accept AWG #12 or smaller wire
Options :	Expanded Ranges High Performance Sensors Pulse Rate Outputs
Accessories :	A96 Lightning protectors A70-LPDD Digital Display Data Chart - Electronic Chart Recorder

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