

Mid-West[®] Instrument



Mid-West Instrument Introduces:

4-20mA Differential Pressure Indicating Transmitter for Models 121, 140, and 142

NOW CSA Listed for Division 2 Hazardous Location Service

Models 121, 140, and 142 provide simple Loop Powered 8-28 Vdc two wire 4-20mA Transmitter for a variety of applications. The transmitter and its terminal strip are housed in a aluminum housing for models 140 & 142 and a plastic housing for model 121, both come with ½" NPT conduit connection for easy access in field wiring. Accuracy is $\pm 2\%$ from 20% - 100% of full scale. Indicator Accuracy is $\pm 2\%$ full scale and is independent of transmitter output.

Model 121 piston design provides a low cost differential pressure transmitter with local indication for use in measuring the pressure drop across filters, strainers, separators, valves, pumps and chillers etc., and for flow indication and control. This unit is available with pressure containing elements of Aluminum or Stainless steel.

Model's 140 & 142 design provides total separation of high and low pressure by a convoluted elastomer diaphragm. Ideally suited for use on dissimilar fluids, wet gas, or fluids with a high concentration of solids, etc., these units are available with pressure containing elements of Aluminum, Brass or Stainless steel.

Benefits:

- Indicating Transmitter is an option on all new Models, 121, 140, and 142
- Easy Field Wiring
- Full Over-Range Protection to max safe working pressure
- Corrosion Resistant Gauge Fronts

Model	121	140	142
Differential Pressure Range	0-5 PSID (0-0.35 bar) to 0-110 PSID (0-7.0 bar)	0-400" H2O (0-15 PSID) to 0-100 PSID (0-7.0 bar)	0- 20" H2O (0-50 mbar) to 0-25 PSID (0-1.7 bar)
Indicator Accuracy	$\pm 2\%$ Full Scale Ascending		
Transmitter Accuracy	$\pm 2\%$ Full Scale Ascending		
Safe Working Pressure	3000 PSIG Aluminum	3000 PSIG Aluminum & 316 S.S.	1375 PSIG Aluminum & 316 S.S.
	5000 PSIG 316L S.S.	5000 PSIG 316L S.S.	1375 PSIG Brass