Differential Instru Metric Pressure Transmitter



- Accuracy 0.25% Reading
- Ultra low pressure measurement
- Wide span adjustment
- 2-wire mA, 3-wire or 4-wire voltage output
- Two configurable relays

- Square-root output for flow/velocity
- Auto zero and remote zero options
- Robust stainless steel enclosure

Suitable for a variety of clean environment applications the FCO342 low differential pressure transmitter is housed in a IP64 brushed stainless steel enclosure and is available in a variety of voltage or current loop configurations.

The output is scalable as linear to differential pressure or as a square-root function to facilitate the use of Pitot Static Tubes or other primary flow elements.

The large LCD may display a variety of engineering units, and two independent relays can provide alarm signals.

The FCO342 can be adjusted from a PC using the FCO301 software utility and cable.

:CO342

Features

Models/Ranges	Model1: ±50Pa Model2: ±150Pa Model3: ±500Pa	Model4: ±2500Pa Model5: ±10kPa Model6: ±20kPa	High pressure ranges available on request		
Output Options	2 wire 4-20mA 3 wire voltage: 0-1 VDC to 0-10VDC full scale 4 wire voltage: 0-1 VDC to 0-10VDC full scale 4 wire voltage: ±1 VDC to ±10 VDC full scale 4 wire isolated: any of the mA or voltages above				
Display (Optional)	Most common differential pressure, volumetric flow, mass flow, and velocity units				
Adjustable Damping	0.0 to 60.0 seconds				
Square Root function	Optional				
Trip Level Relays	Optional: 2 relays, rated 2A @ 55Vac, 30Vdc				
Zero Control	Optional: Automatic or Remote				
Pneumatic Ports	Barbs with locknuts for 6mm OD x 4mm ID for flexible tubing ¼" BSPF ¼" BSPF Front panel calibration ports				

Performance

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Enhanced Accuracy @ 20°C	10% to 100% range: 0 to 10% range:	•	reading +1 digit) 6 range +1 digit)	Note: Unipolar span only, standard accuracy applies to bipolar span.	
Standard Accuracy @ 20°C	10% to 100% range: 0 to 10% range:	•	eading +1 digit) range +1 digit)		
Span Adjustment	10% to 100% of range		•	e within instruments range. acy is reduced to the standard specification	
Long Term Drift	Typically 0.2% per annum				
Temperature Coefficients	Standard Zero: < 0.2%/°C Range: < 0.4%/°C		Enhanced Zero: < 0.02%/°C Range: < 0.02%/°C		
Working Temperature	-10 to 60°C				
Minimum Step Response	100ms				
Output Update	50ms				
Output Resolution	Better than 0.033 % Span				
Overload	20 x DP range				
Static Pressure	±1 bar Gauge				

Construction

Enclosure	IP64 rated Stainless Steel Choice of flush mounting or wall mounting options		
Dimensions	Flush mount: 160 x 160 x 54mm Wall Mount: 156 x 162 x 56mm		
Materials in Contact With Media	Copper, brass, nickel, mica & PVC		
Media Compatibility	Air and non-corrosive gases max 95% humidity non-condensing		
Weight	1.6kg		

Instru Vetrics

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