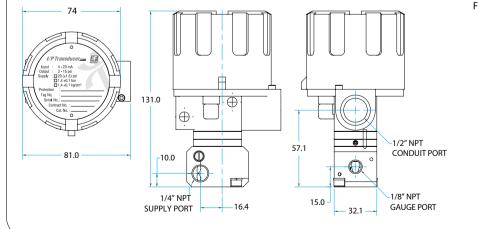
Functional	P Connection (with Flow Booster) M & N Connection (without Flow Booster)		Intrinsically Safe /Explosion Proof	
Input	4-20 mA Dc		The Flucon-FC600 series has been tested and approved by CMRI, Dhanbad	
Outputs	3-15 psig 0.20-1.0 BAR			
	3-27 psig 0.20-1.8 BAR		India, FM, CSA for intrins	
	6-30 psig 0.40-2.0 BAR		I, II, and III, gas Groups A	
Air Consumption BAR)	0.1 scfm (0.17m ³ /hr) 2.0	0 scfh (0.06 m ³ /hr) @ 20 psig supply (1.4	when used with an appa the entity requirements	aratus meeting
BAR)	4.9	4 scfh (0.14 m³/hr) @ 85 psig supply (6.0	hereunder.	
DAN)	0.2	6 scfh (0.24 m³/hr) @150 psig supply (10.0	Entity Parameters :	
BAR)	0.5		Vmax = 40VDC	Ci = 0 uF
Supply Pressure	3-15 : 22 psig (1.5 BAR) max		Ci is capacitance	
Note: Supply pressure	3-27, 6-30: 42 psig (2.8 BAR) max 150 psig (10.0 BAR) max.		l max = 150mA	Li = 0 mH
must be a minimum of			Li is inductance	
5 psig (0.3 BAR) above			Explosion Proof :	
maximum output	2		Class I, Div. 1, Groups A, B	, C & D
Flow Capacity	2.4 scfm (4.1 m ³ /hr) max. Same as Air Consumption		Enclosure Nema 4X (IP65) Temp. Code T6	
Temperature Limits	-67°F to 185°F (-55°C to 85°C)			
Relative Humidity	75% average - 95% short time non-condensing		Installation should be done in accordance with Flucon interconnectior	
Impedance	260 Ohms ± 5% @ 70°F			
Loop Load	5.2 Volts @ 70°F		drawing. This drawing is	included in the
Performance			Flucon-600FC series inst	allation,
			operation and maintena	ince manual.
Linearity (Independent)	< <u>+0.5% of span</u>		The intrinsically safe NEMA 4X (IP65) approval is a standard feature of the Flucon-FC600 series and applies only to units with a 4-20 mA input signal that	
Hysteresis	<±0.3% of span			
Deadband	<±0.1% of span			
Repeatability	-<±0.3% of span; <±0.15% of span typical			
Mounting Orientation Effect	t <±0.5% / 90 degree change		are installed with the fol	llowing barriers.
Air Supply Sensitivity	< .3% / 1.5 (0.10 BAR) psig change	<±0.6% / 25 (1.72 BAR) psig change	Barriers:	Groups
Vibration Effect	<±1% up to 10g and 20-80 Hz			•
Temperature Effect	<±0.75% / 10°F (5.6°C) change		Leeds & Northrups P/N. 316569 & 31674	C&D
Physical			R. Stahl, Inc.	, C&D
Housing	NEMA 4X (IP 65)		P/N. 8901/33-293/000/79 9001/01-280-100- 10 9002/13-280-110-00 MTL, Inc.	
Port Sizes	Pneumatic : 1/4" NPT (P & N versions); 1/16" manifold mount (M version) 1/8" NPT Gauge Port (P version) Electric : 1/2" NPT, M20-1.5 (ATEX)			
1 011 01203				
Media	Clean, dry, oil-free, instrument air, filtered to 40 micron		P/N. 728, 787S, 4045	
Electrical Connections	Terminal block			
Mounting	Direct (standard) or 2" pipe (optiona			
Materials	-	iinum with epoxy paint. NEMA 4X (IP65)		
	Elastomers : Buna-N		Ordering Information	



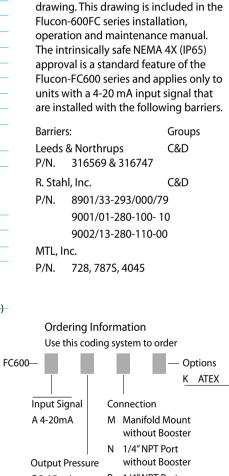


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C 3-15 psig P 1/4" NPT Port with Booster D 3-27 psig E 6-30 psig Accessories Optional - 2" Pipe mounting Bracket kit.

PG 13.5 cable gland or thread M20 x 1.5 or thread 1/2 NPT (depending on

Stainless steel housing unit as add-on module for OEM applica-

Transducers Series FC600

Explosion Proof (I/P - E/P) Current / Voltage to Pressure



Description

Mounting

The Flucon 600 FC series transducers can be pipe, panel or bracket mounted in any position. Position other than vertical will require recalibration of the zero

