LPS FLOW SWITCH SERIES

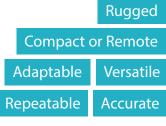
Industrial Flow Switch

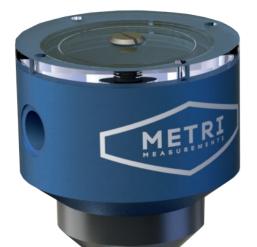
The Metri Flow Switch Series has been designed to deliver a simple, robust and reliable adjustable flow switch that provides visual and electrical alarm signals when the flow rate rises and falls past a set point.

- Compact
- Fast response visual alarm
- High turndown ratio up to 30:1
- Wide temperature range from -40 up to 350°C

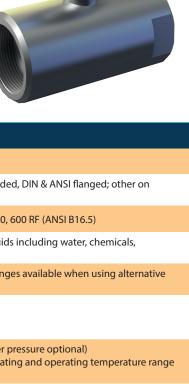
The LPS Flow Switch module accepts signals from a range of Metri Measurements products including the LPM Paddlewheel and LTM Turbine flow meters. This provides users with a wide turndown ratio from 10:1 (eg. 15-150 l/min) up to 30:1.

The enclosure can be mounted either local to or remotely from the flow meter, providing flexibility particularly where used in hard to reach areas.





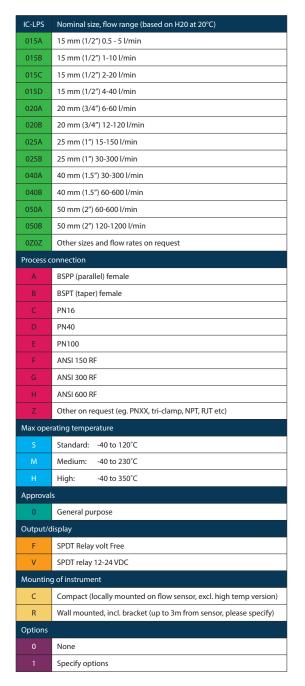
SPECIFICATION DETAILS								
Nominal size	DN6, DN15, DN20, DN	N25, DN40, DN50						
Process connection	BSPP (parallel) & BSPT (taper) female threaded, DIN & ANSI flanged; other on request eg PNXX, ti-clamp, NPT, RJT							
Flange rating	PN16, 40, 100 (BS EN 1092-1); ANSI 150, 300, 600 RF (ANSI B16.5)							
Compatibility	Solids free and partially contaminated liquids including water, chemicals, hydrocarbons, mineral oils, alcohols							
Flow range	05.5 to 1200 l/min, va flow sensors)	rious range (other ranges available when using alternative						
Operatering temperature	Standard: Medium: High:	-40 to 120°C -40 to 230°C -40 to 350°C						
Max operating pressure	All threaded bodies: Flanged bodies: Higher pressure rating	up to 100 bar (higher pressure optional) depends on flange rating and operating temperature range g on request						
Frequency range	25-750 Hz							
Pressure drop	Varies with size, typics without flow restrictor	ally less than 125 mbar at maximum flow rate (standard ranges or)						
Linearity	±0.5% FSD							
Repeatability	±0.1% of reading							
Materials	Rotor: Rotor shaft: Bearings: O-ring:	304 stainless steel (standard); 316 (optional); other optional aluminium hard anodised, other materials available on request 431 stainless steel Tungsten carbide; other materials on request Tungsten carbide and jewel bearings (standard & medium temperature); stainless steel ball race (high temperature) Buna N (standard); Viton (optional)						
Switch specification	Nominal 24 Volts DC of Minimum 8 Volts DC of Load current: IMPORTANT:	externally fused at 50mA · Max 30 VDC 12mA in Alarm - 8.6mA non Alarm state The flow meter connections MUST have galvanic isolation from the supply 30 - 3Khz						
Output/display	Maximum Voltage:	free contact or internal link to 24VDC 175 Volts 250mA (note if used with 24V supply it must be limited to the fuse rating of 50mA) on and alarm status						
Installation	Horizontal or vertical flow rising, full pipe only							

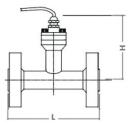


IC-LPS Technical Factsheet 2016/1

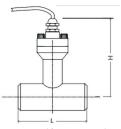
VERSATILE CONFIGURATIONS

Ordering information for the LPS Flow Switch

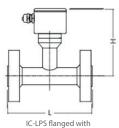




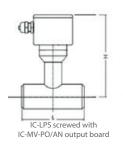
IC-LPS flanged remote



IC-LPS screwed for remote switch



IC-MV-PO/AN output board



Contact us for dimensions of display fitting.

Dimensions

Nominal Size	L mm		H mm		Weight kg *	
	Screwed	Flanged	Remote	IC-MV-PO/AN	Screwed	Flanged
15 mm (1/2")	90	152	100	115	1.2	2.8
20 mm (3/4")	90	152	100	115	1.2	3.7
25mm (1")	100	181	106	121	1.5	4.8
40 mm (1.5")	120	185	110	125	2.5	8.9
50 mm (2")	120	205	115	130	3.0	10.1

^{*} approximate weight

Other Metri products





Order code example



Calibration certificates are available for entire LPS product range



