




LMX+ Series

Inline Pelton Wheel flowmeter with integral flow straighteners, providing a pulse output

Model Type	Flow Rate Range	Pressure Drop
LMXS.003 or LMX.003*	0.004 to 0.060 l/min	0.18 bar @ 0.03 l/min; 0.7 bar @ 0.06 l/min
LMXS.005 or LMX.005	0.006 to 0.100 l/min	0.18 bar @ 0.05 l/min; 0.7 bar @ 0.10 l/min
LMX.01	0.01 to 0.25 l/min	0.33 bar @ 0.125 l/min; 1.3 bar @ 0.25 l/min
LMX.05	0.02 to 1.3 l/min	0.18 bar @ 0.65 l/min; 0.74 bar @ 1.3 l/min
LMX.24	0.03 to 4.3 l/min	0.3 bar @ 2 l/min; 1.2 bar @ 4.3 l/min
LMX.45	0.04 to 6.3 l/min	0.23 bar @ 3 l/min; 1.3 bar @ 6.3 l/min
LMX.48	0.06 to 8 l/min	0.30 bar @ 4 l/min; 1.2 bar @ 8 l/min
LMX.90	0.08 to 15 l/min	0.25 bar @ 9 l/min; 0.7 bar @ 15 l/min
LMX.220	0.1 to 28 l/min	0.24 bar @ 10 l/min; 1.8 bar @ 28 l/min
MMX.12.5	1 to 65 l/min	0.2 bar @ 32l/min; 0.9 bar @ 65 l/min

Common Features:

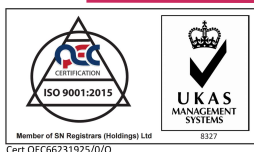
Pressure Rating	LMXS.003 & 005	30bar		
	LMX.	100bar		
Temperature Rating	Media: -40 to +100°C Ambient: -20°C up to +70°C			
Viscosity Range	Up to 10 cP; consult the factory if higher			
Accuracy	±2% of actual reading for the top 90% of range. ±0.5% FSD for the bottom 10% of range. [003 and 005 linearisation required]			
Repeatability	±0.2% reading over top 90% of range			
Pipe Size	LMXS.003 and 005	LMXS: 8mm OD tube for optional Swagelok fittings to ¼" NPT, ¼" BSP. LMX: ½" NPT and BSP are normally in stock.		
	LMX.	1/2" BSP or NPT male (Specify at time of order)		
End to end length/Weight	180mm. LMXS.003 and 005 can be reduced in length to 80mm; less than 2kg			
Body and Internals	316SS with PFA rotor and sapphire/sapphire bearings, sealed ferrites on rotor			
Seal	PTFE Gasket (LMXS.003 and 005 use FPM O ring, options below)			
External materials of sensing electronics	316SS or 303SS and anodised aluminium			
Output & Power	NPN open collector with 4-way M12 sensor connector [IEC-61076-2-101] – e.g. compatible with Brad Harrison, Hirschmann, ERNI and Turck Banner. Supplied with 5m cable – bare ends. 8 to 28Vdc input.			

Options:

Output	Display and/or USB – see LMXVTC
Connections	Plain OD pipe for butt welding (as on LMXS) or flanges available in alternate styles
Flow rate, temperature and pressure	Alternate ratings are available in different sizes and styles, consult the factory for further details
Seals	LMXS: FEP covered Silicon, EPDM or Chemraz® for chemical protection
IS Hazardous Area Version ATEX	Optional Intrinsically Safe options. ATEX EX II 2G Ex ia IIC T4 Gb

Documentation:

Operating and Maintenance Manual	LM0637 with Quick Start LM0667	Typical order code: LMX.24-PTFE-1/2" BSPm-F	
Installation Drawing, GA	K0028-SA-010-A (LMX.XX GA) K0028-SA-012-A (LMXS.XX GA)	Drawing, Parts List	K0028-SA-011-A (LMX.XX PL) K0028-SA-013-A (LMXS.XX PL)



Phoenix Flow Measurement Ltd
 E-Mail: info@phoenix-flow.co.uk Tel: +44 (0) 330 22 33 709 / +44 (0) 1903 366 263
 Trading Address: Minster Court, Unit 1, Courtwick Lane, Wick, Littlehampton, West Sussex, BN17 7RN
 Registered Address: Highland House, Albert Drive Burgess Hill, West Sussex United Kingdom, RH15 9TN
 Registered No: 2510656 VAT: GB 544 2448 48

