

## LMX Series

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

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

\*Lower flows on request

### Common Features:

Pressure Rating	LMXS.003 & 005	30bar
	LMX.	100bar
Maximum Temperature	100°C	
Viscosity Range	Up to 10 cPs; ring factory if higher	
Accuracy	±2% of actual reading for the top 90% of range. ±0.5% FSD for the bottom 10% of range. [LMX003 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. Other options available on request. LMX: ½" NPT and BSP normally in stock.
	LMX.	1/2" BSP or NPT male (Specify at time of order)
End to end length	180mm. LMXS003 and 005 can be reduced in length to 80mm	
Weight	Less than 2kg	
Body and Internals	316SS	
Rotor	Teflon PFA	
Bearings	Sapphire/Sapphire	
Ferrites	Sealed	
Seal	PTFE Gasket (LMXS003 and 005 use FPM O ring)	
Wetted parts of sensing electronics	316SS	
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	PNP or TTL (identified by green or blue cap respectively). Also divide by 4 and divide by 10 function
Connections	Plain OD pipe for butt welding (as on LMXS) or flanges available in alternate styles
Pressure	Increased rating to 230bar available on request – LMX with NPT ends for example
Flow rate, temperature and pressure	Alternate ratings available in different styles, consult factory for further details
IS Hazardous Area Version ATEX	Available in alternate styles to EEx ia IIC T5 –consult factory for further details (limited to process temperatures up to 70°C)
SB IS Electronics pickup	For use when instrumentation is also included in the hazardous area.

**These products conform to PED and EMC. ATEX option available.**

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