



Pelton Wheel flowmeter with titanium body, in-line connections, providing a pulse output.

Model Type	Flow Rate Range	Pressure Drop
LMXTI30.003**	0.004 to 0.060 l/min	0.18 bar @ 0.03 l/min; 0.7 bar @ 0.06 l/min
LMXTI30.005	0.006 to 0.100 l/min	0.18 bar @ 0.05 l/min; 0.7 bar @ 0.10 l/min
LMXTI30.01	0.01 to 0.25 l/min	0.33 bar @ 0.125 l/min; 1.3 bar @ 0.25 l/min
LMXTI30.05	0.02 to 1.3 l/min	0.18 bar @ 0.65 l/min; 0.74 bar @ 1.3 l/min
LMXTI30.24	0.03 to 4.3 l/min	0.3 bar @ 2 l/min; 1.2 bar @ 4.3 l/min
LMXTI30.45	0.04 to 6.3 l/min	0.23 bar @ 3 l/min; 1.3 bar @ 6.3 l/min
LMXTI30.48	0.06 to 8 l/min	0.30 bar @ 4 l/min; 1.2 bar @ 8 l/min
LMXTI30.90	0.08 to 15 l/min	0.25 bar @ 9 l/min; 0.7 bar @ 15 l/min
LMXTI30.220	0.1 to 28 l/min	0.24 bar @ 10 l/min; 1.8 bar @ 28 l/min
LMXTI30.330*	0.3 to 33 l/min	0.3 bar @ 16 l/min; 1.2 bar @ 33 l/min

\* Special Order \*\*Lower flows on request

### Common Features:

Pressure Rating	30 bar	
Temperature Rating	70 or 135°C subject to chemical compatibility, specify at ordering	
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. [003 and 005 linearisation required]	
Repeatability	±0.2% reading over top 90% of range	
Pipe Size	1/4" BSP or NPT male in-line (Specify at time of order, BSP is standard, similar to right hand image); [1/2" BSP or NPT (shown above left), welded flanges/Wafer fitting/MP process connections to suit application requirements for higher pressures and flanges up to 2" ANSI2500. LM330 not recommended with 1/4" connections]	
Weight	Less than 500g [Wafer fit, higher pressures: weights on application]	
Major Dimensions	120mm end to end; depth: 290mm (or less depending on temperature rating) plus connector	
Body and Internals	Commercially pure titanium with Teflon PFA rotor and sapphire/sapphire bearings. Sealed ferrites.	
Seal	Viton O ring – other materials available	
Wetted parts of sensing electronics	CP Titanium	
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 2, 4 or 10 function
Connections	Other BSP/NPT male or female threads or plain OD pipe for compression fittings, butt welding or wafer/flanges available in alternate sizes and styles
Flow rate, temperature and pressure	Alternate ratings available in different sizes and styles, consult factory for further details

### Documentation:

Operating and Maintenance Manual	LM0095 with General Information LM0092
Installation Drawing	Ask factory advice
Conformity:	These products conform to PED and EMC. ATEX option available.