

PRODUCT DATA SHEET

MX50F-1SD - 2" DIGITAL FLOW METER WITH PR DISPLAY

The MX Series 2" DIGITAL FLOW METER are suitable for flows between 15 – 500 L/min (3.96 - 132.09 GPM), providing highly accurate flow measurement performance. The MX Series offers $\pm 0.5\%$ accuracy of true reading in a compact footprint, requiring no flow conditioning and with high pressure and temperature capabilities.

Key features include:

- Aluminium (6061) construction
- FKM (Viton) seals
- Maximum flow rate 500 L/min / 132.09 GPM
- Accuracy of $\pm 0.5\%$ of reading
- Exceptional repeatability of $\pm 0.03\%$
- Temperature up to 80 °C / 176 °F
- 1 point factory calibration as standard, with additional points upon request

SPECIFICATIONS



MX50F-1SD

PR Digital Register

	MX50F-1SD			
Material of construction	Meter Body	Aluminium (6061)		
	Rotor	PPS		
	Seals	FKM (Viton)		
Design Specifications				
Process Connections	2" G Thread			
Technical Specifications		min	max	
	Flow rate < 5cPr	15	500	L/min
		3.96	132.09	GPM
	> 5cP	15	500	L/min
		3.96	132.09	GPM
	Non lubricating fluids	-	500	L/min
		-	132.09	GPM
	Operating Temperature Range**	-40	80	°C
		-40	176	°F
	Accuracy (±%)	±0.5%		
Repeatability (±%)	±0.03%			
Nominal K-Factor	6.7 Pulses/Litre			
	25.37 Pulses/Gallon			

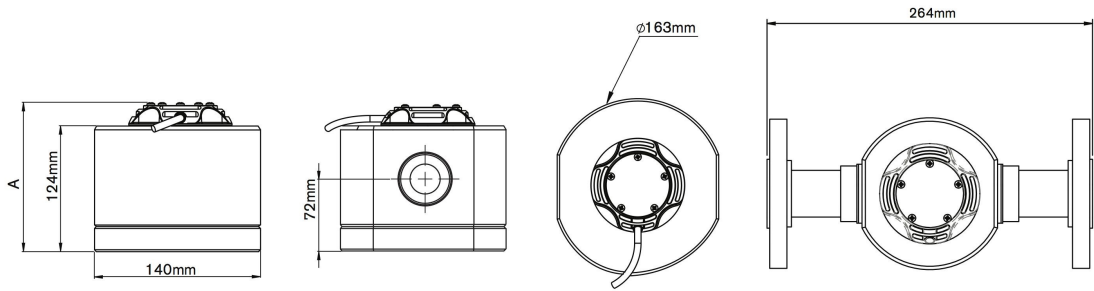
OUTPUT TYPE



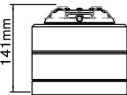
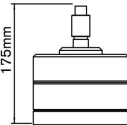
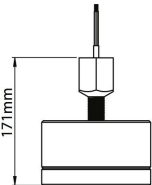
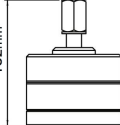
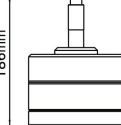
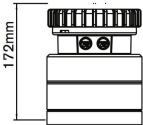
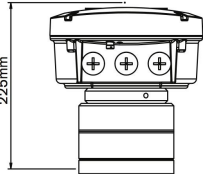
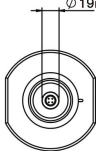
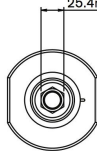
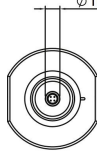
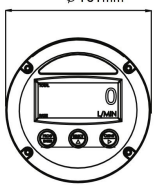
PR DISPLAY

PR [LCD 12mm display]	
Construction	Polypropylene
IP Rating	IP67
Temp	Min: -20 Max: 60 °C Min: -4 Max: 140 °F
EX Approvals	- Please refer to instruction manual and certification documentation for product appropriate certification information
Display	
Digit size (upper/lower)	12mm/8mm
Accumulated total	✓
Resettable total	✓
Preset total	✗
Flow rate	✓
Outputs	
4-20 mA (passive)	✗
Pulse/Transistor Output	✗
Flow Alarm	✗
Batch Control output	✗

PRODUCT DATA SHEET



PULSER AND DISPLAY HEIGHT - A

OUTPUT A,I,J,K PULSER - Standard	OUTPUT B PULSER - Exia	OUTPUT C PULSER - EXd	OUTPUT N PULSER - Exia	OUTPUT T PULSER - High Temp.	OUTPUT D,E DISPLAY - LCD 12mm	OUTPUT F,G,H DISPLAY - LCD 17mm
						
141mm	175mm	171mm	182mm	186mm	172mm	225mm
						
Ø 74mm	Ø 19mm	25.4mm (1") A/F	25.4mm (1") A/F	Ø 16mm	Ø 99mm	Ø 161mm