



PRODUCT DATA SHEET

MX100S-2SG - 4" DIGITAL FLOW METER WITH ERA DISPLAY

The MX Series 4" DIGITAL FLOW METER are suitable for flows between 120 – 1200 L/min (31.70 - 317.01 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
- FEP Encapsulated seals
- Maximum flow rate 1200 L/min / 317.01 GPM
- Accuracy of $\pm 0.5\%$ of reading
- Exceptional repeatability of $\pm 0.03\%$
- Temperature up to 120 °C / 248 °F
- 1 point factory calibration as standard, with additional points upon request

SPECIFICATIONS



MX100S-2SG
ERA Digital Register

MX100S-2SG			
Material of construction			
Meter Body	Aluminium (6061)		
Rotor	Aluminium (6061)		
Seals	FEP Encapsulated		
Design Specifications			
Process Connections	4" NPT Thread		
Technical Specifications	min	max	
Flow rate	220	1000	L/min
< 5cPr	58.12	264.17	GPM
> 5cP	120	1200	L/min
	31.70	317.01	GPM
Non lubricating fluids	-	1200	L/min
	-	317.01	GPM
Operating Temperature Range**	-40	120	°C
	-40	248	°F
Accuracy ($\pm\%$)	$\pm 0.5\%$		
Repeatability ($\pm\%$)	$\pm 0.03\%$		
Nominal K-Factor	2.3 Pulses/Litre		
	8.71 Pulses/Gallon		

OUTPUT TYPE

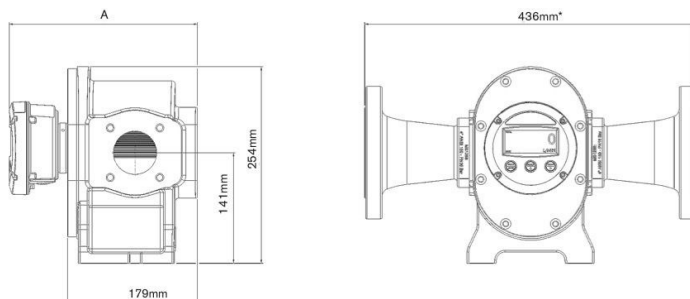


ERA DISPLAY

ERA [LCD 17mm display]	
Construction	Aluminium
IP Rating	IP67
Temp	Min: -40 Max: 80 °C Min: -40 Max: 176 °F
EX Approvals	- Please refer to instruction manual and certification documentation for product appropriate certification information
Display	
Digit size (upper/lower)	17mm/8mm
Accumulated total	✓
Resettable total	✓
Preset total	✗
Flow rate	✓
Outputs	
4-20 mA (passive)	✓
Pulse/Transistor Output	✓
Flow Alarm	✗
Batch Control output	✗

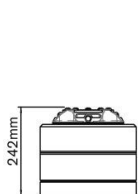


PRODUCT DATA SHEET

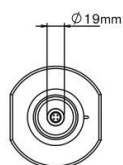
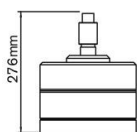


PULSER AND DISPLAY HEIGHT - A

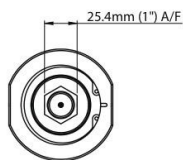
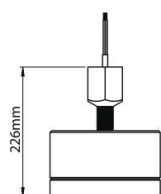
OUTPUT A,I,J,K
PULSER - Standard



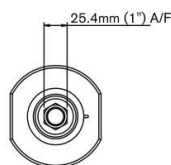
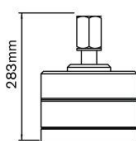
OUTPUT B
PULSER - Exia



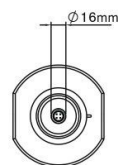
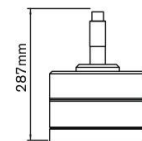
OUTPUT C
PULSER - EXd



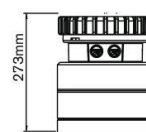
OUTPUT N
PULSER - Exia



OUTPUT T
PULSER - High Temp.



OUTPUT D,E
DISPLAY - LCD 12mm



OUTPUT F,G,H DISPLAY
- LCD 17mm

