



PRODUCT DATA SHEET

MX100F-1SF - 4" DIGITAL FLOW METER WITH ER 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
- FKM (Viton) 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



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SPECIFICATIONS



MX100F-1SF
Digital Register

| ER | MX100F-1SF | | |
|---------------------------------|--------------------|--------|-------|
| Material of construction | | | |
| Meter Body | Aluminium (6061) | | |
| Rotor | Aluminium (6061) | | |
| Seals | FKM (Viton) | | |
| Design Specifications | | | |
| Process Connections | 4" G 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 | | |

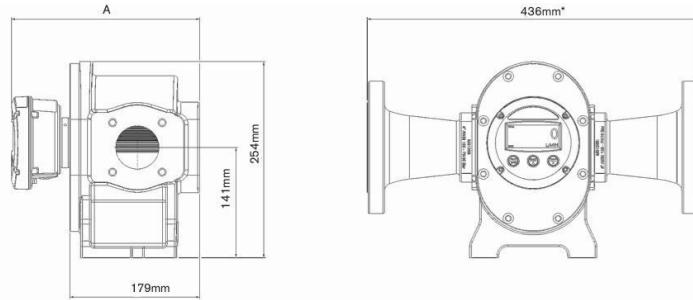
OUTPUT TYPE



ER DISPLAY

| | ER [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 | ✗ |

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PULSER AND DISPLAY HEIGHT - A

