



PRODUCT DATA SHEET

MX25F-1SA - 1" DIGITAL FLOW METER WITH STANDARD PULSE

The MX Series 1" DIGITAL FLOW METER are suitable for flows between 6 – 120 L/min (1.59 - 31.70 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 120 L/min / 31.70 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



MX25F-1SA

| | | MX25F-1SA | | |
|-------------------------------|---------------------------|----------------------|-------|-------|
| Material of construction | Meter Body | Aluminium (6061) | | |
| | Rotor | PPS | | |
| | Seals | FKM (Viton) | | |
| Design Specifications | | | | |
| Process Connections | | 1" G Thread | | |
| Technical Specifications | | min | max | |
| | Flow rate | | | |
| | < 5cPr | 10 | 100 | L/min |
| | | 2.64 | 26.42 | GPM |
| | > 5cP | 6 | 120 | L/min |
| | | 1.59 | 31.70 | GPM |
| | Non lubricating fluids | - | 120 | L/min |
| | | - | 31.70 | GPM |
| Operating Temperature Range** | | -40 | 80 | °C |
| | | -40 | 176 | °F |
| | Accuracy ($\pm\%$) | $\pm 0.5\%$ | | |
| | Repeatability ($\pm\%$) | $\pm 0.03\%$ | | |
| | Nominal K-Factor | 36 Pulses/Litre | | |
| | | 136.31 Pulses/Gallon | | |

OUTPUT TYPE



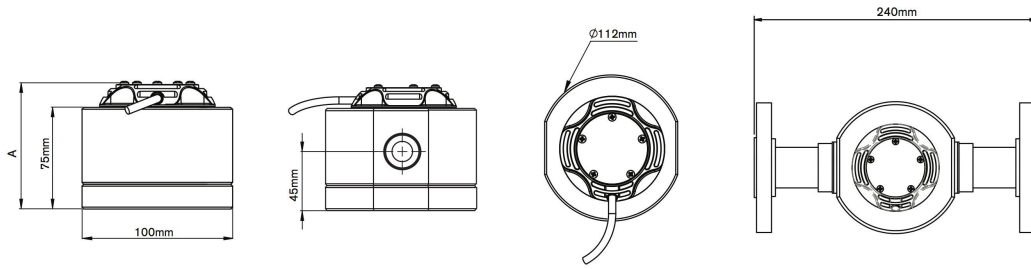
STANDARD PULSE

| | | Standard Pulse | |
|--------------------------|--|--|--|
| Construction | | Polypropylene | |
| IP Rating | | IP67 | |
| Temp | | Min: -40 Max: 120 °C | |
| | | Min: -40 Max: 248 °F | |
| EX Approvals | | - | |
| | | Please refer to instruction manual and certification documentation for product appropriate certification information | |
| Display | | | |
| Digit size (upper/lower) | | -mm/-mm | |
| Accumulated total | | ✗ | |
| Resettable total | | ✗ | |
| Preset total | | ✗ | |
| Flow rate | | ✗ | |
| Outputs | | | |
| 4-20 mA (passive) | | ✗ | |
| Pulse/Transistor Output | | ✗ | |
| Flow Alarm | | ✗ | |
| Batch Control output | | ✗ | |



macnaught

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

