



# PRODUCT DATA SHEET

## MX25F-1HA - 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



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### SPECIFICATIONS



MX25F-1HA

|                               |                      | MX25F-1HA        |       |       |
|-------------------------------|----------------------|------------------|-------|-------|
| 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 |                  |       |       |

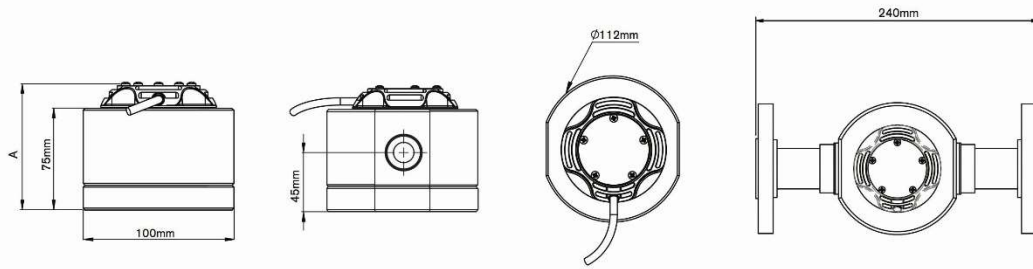
### OUTPUT TYPE



STANDARD PULSE

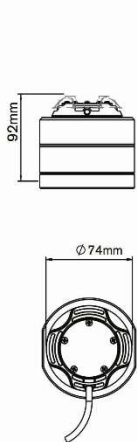
|                          |  | Standard Pulse   |  |
|--------------------------|--|--|--|
| Construction             |  | Polypropylene  |  |
| IP Rating                |  | IP67   |  |
| Temp                     |  | Min: -40 Max: 120 °C   |  |
|                          |  | Min: -40 Max: 248 °F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

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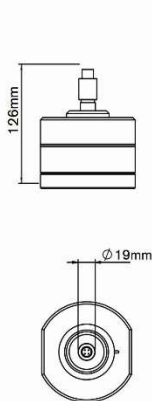


PULSER AND DISPLAY HEIGHT - A

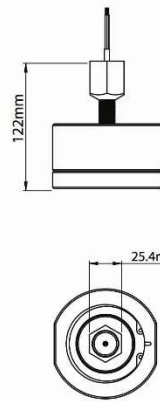
OUTPUT A,I,J,K  
PULSER - Standard



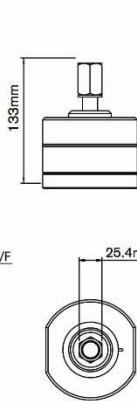
OUTPUT B  
PULSER - Exia



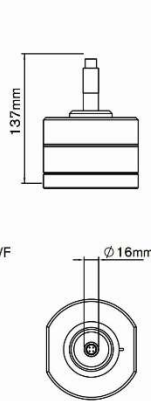
OUTPUT C  
PULSER - EXd



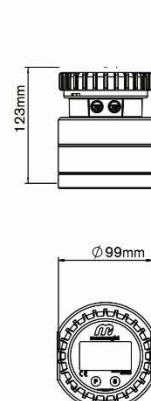
OUTPUT N  
PULSER - Exia



OUTPUT T  
PULSER - High Temp.



OUTPUT D,E  
DISPLAY - LCD 12mm



OUTPUT F,G,H DISPLAY  
- LCD 17mm

