



# PRODUCT DATA SHEET

## CR025-2S1 - 1" PULSE FLOW METERS WITH PULSE OUTPUT

The M Series 1" PULSE FLOW METERS are suitable for flows between 3 – 80 L/min (0.79 - 21.13 GPM), providing highly accurate flow measurement performance. The M Series offers ±0.50% accuracy of true reading in a compact footprint, requiring no flow conditioning and with high pressure and temperature capabilities.

### Key features include:

- PPS construction
- FEP Encapsulated seals
- Maximum flow rate 80 L/min / 21.13 GPM
- Accuracy of ±0.50% of reading
- Exceptional repeatability of ±0.03%
- Temperature up to 80 °C / 176 °F
- 1 point factory calibration as standard, with additional points upon request

### SPECIFICATIONS

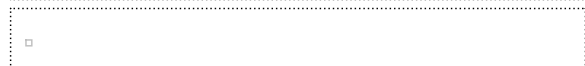


CR025-2S1

|                                 |                        | CR025-2S1            |       |       |
|---------------------------------|------------------------|----------------------|-------|-------|
| <b>Material of construction</b> | Meter Body             | PPS                  |       |       |
|                                 | Rotor                  | PPS                  |       |       |
|                                 | Seals                  | FEP Encapsulated     |       |       |
| <b>Design Specifications</b>    |                        |                      |       |       |
| Process Connections             |                        | 1" NPT Thread        |       |       |
| <b>Technical Specifications</b> |                        | min                  | max   |       |
|                                 | Flow rate              | 8                    | 70    | L/min |
|                                 | < 5cPr                 | 2.11                 | 18.49 | GPM   |
|                                 | > 5cP                  | 3                    | 80    | L/min |
|                                 |                        | 0.79                 | 21.13 | GPM   |
|                                 | Non lubricating fluids | -                    | 80    | L/min |
|                                 |                        | -                    | 21.13 | GPM   |
| Operating Temperature Range**   |                        | -40                  | 80    | °C    |
|                                 |                        | -40                  | 176   | °F    |
|                                 | Accuracy (±%)          | 0.50%                |       |       |
|                                 | Repeatability (±%)     | 0.03%                |       |       |
|                                 | Nominal K-Factor       | 52 Pulses/Litre      |       |       |
|                                 |                        | 196.90 Pulses/Gallon |       |       |

### OUTPUT TYPE

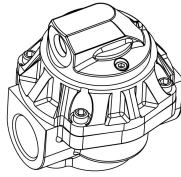
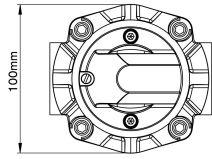
#### PULSE OUTPUT



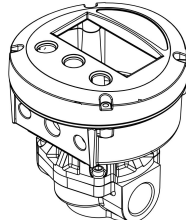
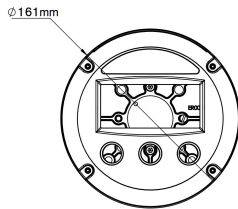
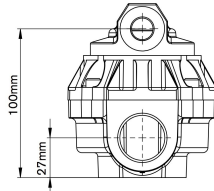
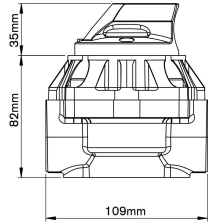
|                          |   | Reed/Hall |  |
|--------------------------|---|-----------|--|
| <b>Construction</b>      | -   |           |  |
| <b>IP Rating</b>         | IP67  |           |  |
| <b>Temp</b>              | Min: - Max: - °C<br>Min: - Max: - °F  |           |  |
| <b>EX Approvals</b>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



# PRODUCT DATA SHEET



ISOMETRIC VIEW



ISOMETRIC VIEW

