IPETRONIK

M-FLOW

High Precision Flow Meter for Optimization and Quality Assurance of Circuits within the whole Vehicle

- Highly Compact and rugged solution with 360° pickoff
- Broad range of applications: water, oils, fuels, AdBlue and many other liquid media
- Precise results at every temperature thanks to linearization
- "Plug & Play" with simple configuration in IPEmotion
- Process reliability thanks to the direct digitalization of the values and a decrease in components
- Direct integration into the CAN bus without additional cabling or power supply
- Flow measurement in the desired unit, e.g. m3/hour, liters/minute, ml/minute
- Maximum linearity and 15 % less pressure loss with the new turbine design

General channel properties	
Channel sampling rates	Flow rate 1000 Hz; Temperature 1000 HZ
Galvanic isolation	
Input ↔ module power supply	±100 V (indefinitely), ±500 V (pulse voltage)
Input ↔ CAN	±100 V (indefinitely), ±500 V (pulse voltage)
Input ↔ enclosure	±100 V (indefinitely), ±500 V (pulse voltage)
Input ↔ input	±100 V (indefinitely), ±500 V (pulse voltage)
Device	
Inputs	1
Voltage supply	6 … 36 VDC
Power consumption, typical	< 0.5 W
Working temperature range	-40 … 125 °C (-40 … 257 °F)
Storage temperature range	-55 … 150 °C (-67 … 302 °F)
IP-Code	IP 68
Relative humidity	0 … 85 %
Dimensions	W122 mm x H34 mm x D55 mm (4.8 in x 1.34 in x 2.17 in)
Weight	145 g (0.32 lb)
Configuration interface	CAN high speed
Data transfer rate	Software selectable up to 1 MBit/s (ISO11898-2)
Test standards	IEC 61010-2-201
Housing material	Aluminium, black powder coated
Input sockets	ODU B G81B0C-P05QJ00/2x

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