

TMC-15

Battery-operated Converter for Full Pipe Flow Meter Sensors



The TMC-15 is a battery-operated converter for full pipe sensors. It is powered either by lithium or alkaline batteries. When combined with the TORPEE-MAG sensor the TMC-15 with its contact closure outputs becomes a powerful full pipe flowmeter and data reporting system. A Modbus RTU output is available as an option.

The TMC-15 provides users with a reliable solution for full pipe flow monitoring applications. The standard model includes: an IP67 aluminum enclosure; a 3-key numerical keypad; a graphical backlit LCD display, alkaline or lithium batteries and two Pulses/Alarm outputs.



Technical Specifications

Supported Sensor

TORPEE-MAG 1.5" forward flow and bi-directional

Enclosure

Material Black painted aluminum die casting
Protection rate IP67 (IP68 on request)
Dimensions 167 x 114 x 213 mm (W x D x H)
(6.57" x 4.49" x 8.39")
Weight 2.8 kg (6.17 lb)

General Attributes

Programming Keypad
USB port for connection to PC (optional)
RS485 (optional)
Serial interface
Display Graphic display 128x64 pixels back light,
3 programming keys
Data logger MicroSD Memory Card 4 to 32 Gb (opt.)
Data storage Values storing system in case of power
failure
Full scale value ± 0 to 10 m/s (± 0 ft to 32.8 ft/s)
Galvanic isolation All the inputs/outputs are galvanically
isolated (up to 500 V)
Bi-directional YES
Diagnostic function YES
Empty pipe detection YES
CE certification YES

Outputs/Inputs

Pulse/Alarm output 2 digital outputs, 1250Hz, 100mA, 30Vdc
Digital input One programmable function (totalizer reset)
Serial output Modbus RTU (optional)

Measurements Tolerance

Flow rate (volume) $\pm 0.1\%$ r.v.
Frequency out $\pm 0.2\%$ r.v.

Power Supply

Alkaline 6 size D alkaline batteries
Lithium 1 to 3 cells (on request)

Battery type must be specified at order

Ambient Conditions

Operating temp. -20°C to $+60^{\circ}\text{C}$ (-4°F to $+140^{\circ}\text{F}$)

*Specifications are subject to change without notice
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Dimensions of the TMC-15 Converter in mm/inches:

