FLOW TOTALIZER WITH DISPLAY

C1D1 Intrinsically Safe Wireless Flow Totalizer

ENHANCE EXISTING TURBINE METERS WITH DIGITAL READOUT & WIRELESS CONNECTIVITY
BEST OVERALL TOTAL COST OF OWNERSHIP
ROBUST AND RELIABLE OPERATIONS IN INDUSTRIAL APPLICATIONS
DAILY MANAGEMENT FOR FLOW & TOTALS

FEATURES

- Local display with, flow rate, totalizer and diagnostics
- Integrates with industry standard turbine meters
- Hazardous location classified for CL1 DIV1 Intrinsically Safe
- Robust 900mHz authenticated wireless protocol
- 0.5 mile range
- Battery powered electronically optimized for long life (5 years+)
- Real-Time-Clock with battery backup
- 1” female NPT standard coupling with 2 pin connector inductive type turbine meters
- Configurable contract hour with real-time clock & battery backup
- 30 day built-in local data historian/backup storage
- Wireless data interface to SignalFire’s standard protocol
- Weathertight rugged enclosure for outdoor operation
- Easy to install and maintain

INDUSTRIES

- Oil and Gas
- Water & Wastewater
- Gas Utility
- Chemical
- Power
- Food & Beverage
- Aerospace
- Pharmaceutical
- Metals and Mining
- Pulp & Paper

DIMENSIONAL DRAWING

1” NPT Female Thread Union Coupling STD 2-PIN Pickup Connector Included
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TECHNICAL SPECIFICATIONS

**Operating Temp**
-40°C to 80°C (-40°F to 176°F)

**LCD Display**
-20°C to 70°C (-4°F to 158°F)

**Input**
Magnetic pickup
4 KHz Maximum Frequency
20 mV Minimum amplitude

**LCD Display**
32 character display with push button activation
Displays totals, flow rate, and status information

**Security**
AES 128bit Encryption

**Real Time Clock**
Battery backed up real time clock

**Mechanical Specifications**
Connection Fitting:
316SS, 1” NPT Mating Union for direct mount to turbine meter

**Enclosure**
High Strength Polycarbonate

**Magnetic Pickup connector**
Standard 2-pin circular connector

**Humidity**
0% – 100% condensing

**Power**
“D” Cell Lithium battery pack. Field replaceable Class 1 Div 1.

**Battery Life**
7 1/2 years of battery life at 5 minute check-in

**Radio Power**
40 mW

**Receive Sensitivity**
-109 dB

**Radio Frequency**
902-928 ISM FHSS, FCC part 15 Compliant

**Range**
1/2 mile

**Intrinsically Safe**
Class 1 Division 1, Temp Code T3, Groups C&D. Conforms to UL Std. 913, Certified to Can/CSA Std C22.2 No. 157

**Internal Diagnostics**
Battery voltage, signal strength, error conditions

**Data Interface**
Wireless – Data and Diagnostics available as Modbus registers at GW

STANDARD CONFIGURATION ORDER CODES

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<th>ORDER CODE</th>
<th>DESCRIPTION</th>
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<td>SFTotalizer-1BIS</td>
<td>FLOW TOTALIZER WITH DISPLAY</td>
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