

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



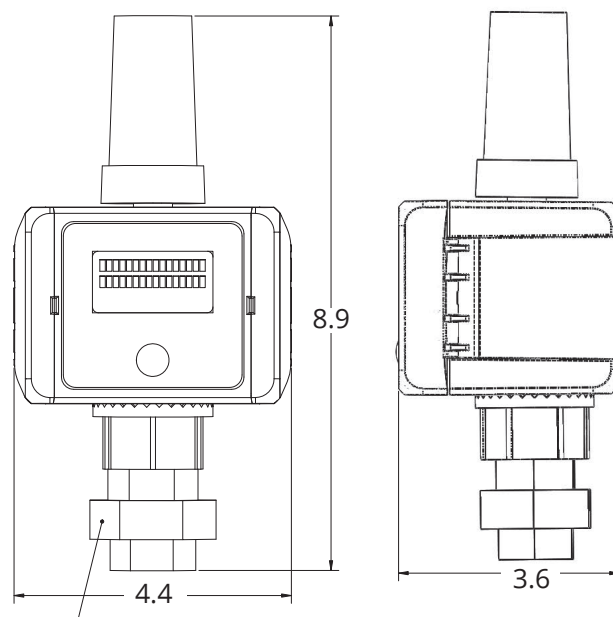
FEATURES

- 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

Data Interface

Wireless – Data and Diagnostics available as Modbus registers at GW

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

STANDARD CONFIGURATION ORDER CODES

ORDER CODE

SFTotalizer-1BIS

