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BURKECALIBRATION.COM

# **SignalFire Wireless Flow Totalizer with Display Datasheet**

Questions? Call us at 780-897-5869 or email [info@burkecalibration.com](mailto:info@burkecalibration.com)

# 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



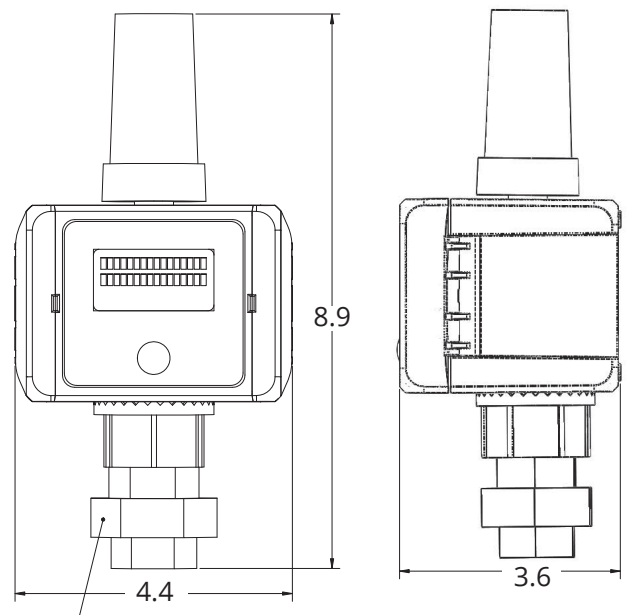
## FEATURES

- 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<sup>1/2</sup> 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

