

# SFS-WP - INTRINSICALLY SAFE WIRELESS FLOW TRANSMITTER

Ideal when adding flow meters where there is no power - no need to run wires/conduit, installs anywhere in minutes.



## BENEFITS

### Attractive ROI

Costs less than running 60 feet of wire & conduit.

### Data at Your Fingertips

Wireless data transmission anywhere in the world with an Internet connection.

### Up and Running in Minutes

Easy thread-in installation. A quick setup procedure allows you to have the unit working with just a few simple programming steps.

### Reliable Transmission

ISM bands sustain signal strength through terrain, structures or weather for a range of up to 1/2 mile.

### Smart Technology

Wireless nodes install themselves automatically and adapt to network changes, i.e. data volume, radio transmission conditions and power source conditions.

### Long Battery Life

High-capacity Lithium battery pack powers sensor and radio for years, even in low temperatures. Transmitter can be configured for check-in intervals between 5-seconds to 1-hour to save battery life.

### Flexible System

Add additional nodes for pressure, temperature, and level sensors on the same Gateway.

## FEATURES

- Internal battery powers sensor and radio so no external power source is required
- Class I Division 1 Intrinsically safe design
- Up to 1/2 mile range
- Wireless node configures itself within mesh network automatically, sending flow data to the Gateway
- Flow rate and total data available

## TECHNICAL SPECIFICATIONS

### Operating Temperature

-40°F to 140°F (-40°C to 60°C)

### Power

3 x D Lithium battery pack. Field replaceable. Class I Div 1 certified when used with SignalFire system.

### Battery Life

1-10 years, depending on sensor type and reporting frequency

### Sensor Type

Passive inductive flow sensor.

### Data Update Rates

User-configurable (5 sec - 1 hr)

### Radio Power

40 mW

### Range

Up to 1/2 mile

### Antenna Type

Internal weather resistant, omnidirectional

### Frequency

902-928 MHz, FHSS, license-free ISM band compliant with FCC Part 15

### Networks

Up to 64 separate networks

### Intrinsically Safe

- Details of Class I, Div 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

### Humidity

0% to 100% condensing

## SignalFire Remote Sensing System

The SignalFire Remote Sensing System consists of nodes attached to sensors like the SFS-WP Sentinel that work in a mesh network pattern to send data via Modbus to a Gateway, where it is transferred to a PC, PLC, or other control system.

### Gateway Interfaces Include:

- HART®
- 4-20mA current loop, 1-5 Volt
- Digital input (state, counter, totals, frequency)
- RS-485/Modbus

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## FLOW METER COMPATIBILITY

Gear Meter Model	Flow Range
JV#-10CG	0.04 to 0.25 GPM
JV#-12KG	0.08 to 0.8 GPM
JV#-15CG	0.02 to 1.0 GPM
JV#-20KG or CG	0.03 to 2.0 GPM
JV#-30KG or CG	0.1 to 7.0 GPM
JV#-60KG or CG	0.1 to 20.0 GPM
JV#-80KL	0.5 to 60.0 GPM
JV#-90KL	1.0 to 120.0 GPM



Turbine Meter Model	Flow Range
TRG-11.250-5	0.08 to 0.4 GPM
TRG-11.300-5	0.13 to 1.06 GPM
TRG-11.375-5	0.3 to 2.5 GPM
TRG-11.500-5	0.9 to 8.0 GPM
TRG-11.750(-5)	1.6 to 11.5 GPM
TRG-11.880	3.2 to 32.0 GPM
TRG-1110	5.3 to 53.0 GPM
TRG-1120L	13.0 to 200.0 GPM



Products may be subject to change without notice - Contact factory for the most up-to-date product information.