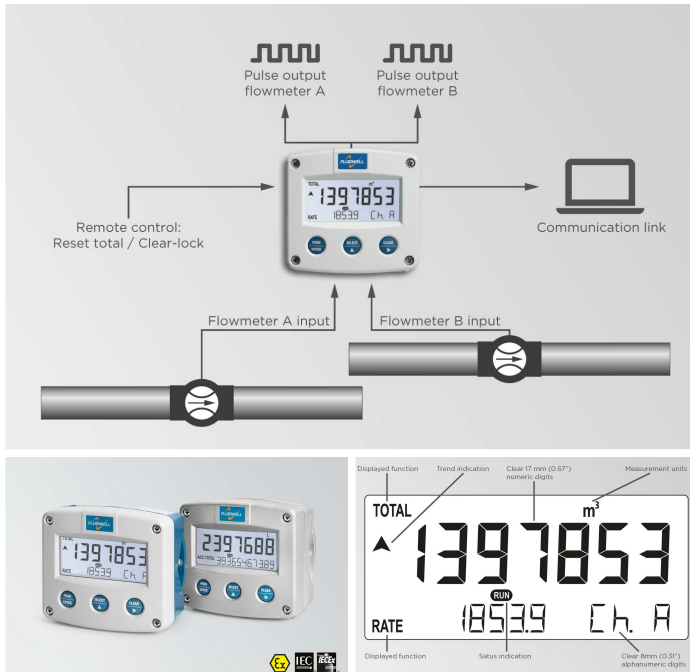


F111

Safe area / Intrinsically safe - Dual input Flow rate Indicator / Totalizer

with two pulse outputs



Features

- Two completely separated flow rate / totalizers.
- For each flow one scaled pulse output.
- Displays total, flow rate and product I.D. simultaneously.
- Large digit selection for flow rate or total.
- Flow rates: seven 17mm (0.67") or 8mm (0.31") digits.
- Totals - resettable: seven 17mm (0.67") digits.
- Accumulated totals - not resettable: eleven 8mm (0.31") digits.
- Separate engineering units for flow rates and totals on the display.
- LED backlight.
- Intrinsically safe according ATEX and IECEx.
- GRP, Aluminum or high grade stainless steel enclosure.
- Auto backup of settings and running totals in EEPROM memory.
- Ambient temperature: -40°C to +80°C (-40°F to 176°F).
- Various [accessories](#) are available for this product.

Product description

The F111 incorporates two flow rate indicators / totalizers in one enclosure, including a pulse output for each flow. There is no relationship between the flows, even different pulse signal input types can be used.

For each flow, on-screen engineering units are easily configured from a comprehensive selection. The F111 can be set to show the selected information manually or with an automatic toggle function.

Advantages

- Robust aluminum or stainless steel 316L field enclosure (IP65, IP67 / NEMA Type4X) . It is so rugged, a truck can even stand on it!
- Intrinsically Safe available - ATEX and IECEx approval for gas and dust applications.
- Familiar easy operation with the Fluidwell "Know one, know them all" configuration structure, saving time, cost and aggravation.
- Very diverse mounting possibilities: walls, pipes, panels or directly onto outdoor sensors.

Applications

- For those applications where two indicators are required but one single and compact enclosure

is desired.

- The F-Series is your first and best choice for field mount indicators in safe and hazardous area applications. Especially in harsh weather conditions like rain, snow, sandy deserts, salty atmospheres and temperatures between -40°C up to +80°C (-40°F up to 176°F).

Product specifications

Signal Inputs

Flowmeter Inputs

- Pulse type inputs:
Reed-switch, NAMUR, NPN/PNP pulse, Sine wave (coil), active pulse signal.
Different pulse signal types are allowed for input A and B.

Supply

Power Supply

- Long life Lithium battery.
- 4 – 20mA Loop-powered.
- 8 – 24V AC/DC.
- 115 – 230V AC.
- Basic: 8 - 30V DC.

Sensor Supply

- 3.2, 8.2, 12, 24V DC.

Signal Outputs

Pulse outputs

- Function: Scaled pulse output according to accumulated total (e.g. a pulse every 3.25 gallons).
Max. frequency: 500Hz.
Adjustable pulse length from 0.001 sec. to 9.999 seconds.
- Type: Two passive NPN transistors, active PNP transistors or isolated electro-mechanical relays.

Alarm outputs

- None.

Analog outputs

- None.

Hazardous Area

Intrinsically Safe

- ATEX:
Gas: II 1 G Ex ia IIB/IIC T4 Ga
Dust: II 1 D Ex ia IIIC T₂₀₀ 100 °C Da
- IECEX:
Gas: Ex ia IIC/IIB T4 Ga
Dust: Ex ia IIIC T₂₀₀ 100 °C Da

Explosion Proof

- ATEX/IECEX:
Gas: II 2 G Ex db IIB+H2 T5 Gb
Dust: II 2 D Ex tb IIIC T80°C Db

Communication

- Function: All process data and settings can be read and modified through the communication link.
- Protocol: Modbus ASCII / RTU.
- Interface: RS232 / RS485 2-wire or 4-wire / TTL.
- HART communication is available with the F018 Flow rate Monitor / Totalizer.



We're happy to answer any questions about our products and services.
Just send us an email or give us a call.