

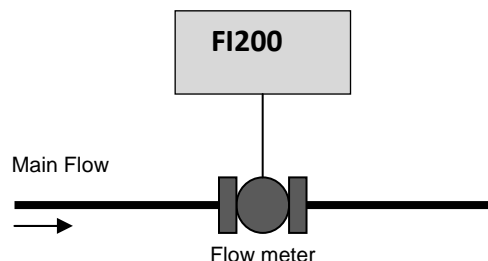
FI 200 Series

Battery Powered Flow Transmitters with LCD Display



Features

- Cost effective ABS construction
- Battery powered
- 2-line * 12-character LCD display
- Total / accumulated total / flow rate
- Compact or remote installation
- Open collector pulse output
- 4-20 mA external loop-powered output
- NEMA 4 x IP65
- Simple insertion design



Overview

The FI200 series of battery powered flow transmitters provides reliable results for industrial requirements with high quality and at a cost effective price.

The FI200 series has micro-processor inside, which makes it dependable and the controller also has pulse input such as sine wave, open collector.

The FI200 series has open collector pulse output and external loop powered 4-20mA output.

Display

2- line 12-character LCD, fully programmable for flow rate, total and accumulated total

Operating Temperature

-10 to 55 °C

Power

Battery

Output

Analogue 4-20mA isolated (2-wire, 24V)
Pulse isolated open collector

Enclosure

Local Type: NEMA 4 x IP65
Panel Type: 48 (H) x 96 x 125 (D) mm
Panel Cutting Size: 45(H) x 92 ±0.2 mm

Standards and Approvals

CE, manufactured under ISO 9001

Flow Inputs

Frequency (Pulse) Input

Frequency Range: 0 to 5 kHz

Signal Type:

sine wave, open collector, reed switch,
proximity switch, voltage and current pulse

K-factor Range (selectable decimal point):

0.001 – 99999.999 (pulse per units)

0.01 – 999999.99 (pulse per units)

0.1 – 9999999.9 (pulse per units)

1 – 99999999 (pulse per units)

Pulse Output

Function

Open collector output with a pulse produced on each increment of the accumulated total

Selectable pulse output ON/OFF (for battery power saving)

Pulse Width

20 ms, 100 ms (negative going pulse)

Duty Cycle

24 pulses/sec max (20 ms)

5 pulses/sec max (100 ms)

Output

Current sinking output transistor 20 mA,
30 Vdc max (pulse output is suitable for driving remote counter or PLCs)

4-20 mA Output

Function

The flow rate is output

Type

2-wire external loop powered

4-20 mA output

External power source (for 4-20 mA output)

DC12V – DC24V

Resolution

12-bit

Accuracy

Better than 0.05% (F/S)

Maximum Load

700 Ohms (@ DC24V ext loop powered)

200 Ohms (@ DC12V ext. loop powered)

Isolation

Isolated

Ordering Information

FI200 -	ABS battery powered flow transmitter	
	Input / Output	
	1	mV / 4-20 mA, pulse
	2	Open collector / 4-20 mA, pulse
	Reset function	
	0	None
	1	External totaliser reset