

Features

- Indication through LED Display
- Input type selectable Linear / Square Root
- Normal / Batch mode for Operation
- Averaging of Inputs for Turbulent Flow
- Programmable Low Flow Cut-Off
- Software Calibration
- Communication MODBUS RTU

Description

Electronet series FL 244 is micro controller based flow indicator totaliser designed for various industrial application. These can be used for indication & totalisation of flow. The input can be linearly or square rooted. The micro-controller based design provides full flexibility for flow metering applications.



Technical Specifications

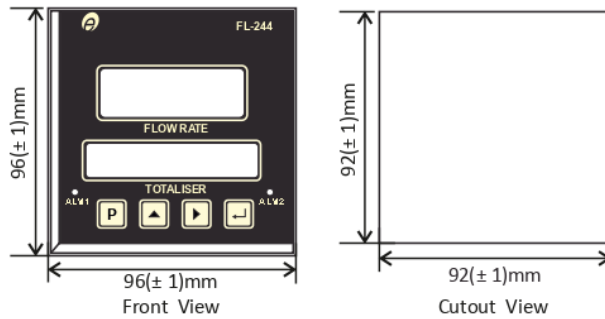
Performance Characteristics

Operating Modes	Normal / Batch
Input	1) Voltage (1-5V) [Linear / Square Rooted]
	2) Current (4-20 mA) [Linear / Square Rooted]
	3) Frequency (0-10 KHz)
Display	LED Display for Flow Rate & Totalised Flow
Range	Programmable (0 to 9999)
Accuracy	Better than +/- 0.25% of F. S.
Open Sensor Indication	Available
Power Supply	90 - 250V AC
Power Consumption	Less than 10 VA
Temperature Drift	< 0.01% of F. S. per°C change
Response Time	< 200 mSec
Isolation	1.4 KV between Input, Output & Power Supply
Enclosure	1) DIN Standard
	2) Weather-proof, IP-65
	3) Flameproof (CMRI IIA IIB Certified)
Base Size	96 mm (H) x 96 mm (W) X 160 mm (D)
Mounting	Flush of the Panel for DIN std. enclosure & wall mounting suitable for WP enclosure
Weight	Less than 2 Kg (Approx.)
Ambient Temperature	Temperature -20 to 55°C / Humidity 5 to 95% non condensing
OPTIONAL	
Transmitter Power Supply	24V DC 100 mA
Retransmission Output	4-20mA
Alarm Output	Potential free Relay Contact - 2 Nos. (1 c/o, 1 Amp. @ 230 V AC) Configurable for High, Low & Batch
Communication Port	RS485 supporting MODBUS RTU protocol

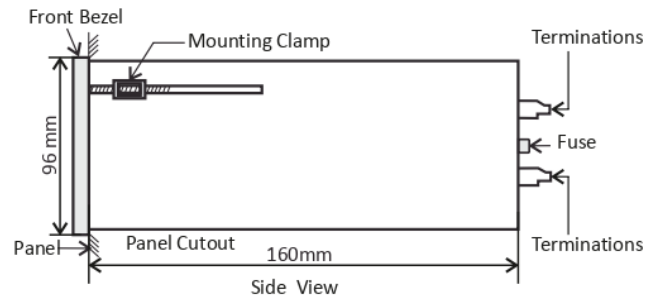
FL 244

FLOW INDICATOR TOTALISER

Assembly Overview



Installation Drawing



Ordering Information

Sample Order Code : FL244-A1-B1-C1-D1-E1-F1

Parameter		Code	Description
A	Electronics Enclosure	A1	DIN Standard
		A2	Weather Proof IP 65
		A3	Flameproof (CMRI IIA IIB Certified)
B	Input 1	B1	4 to 20mA
		B2	1 to 5V
		B3	0 to 10 KHz
C	Output 1	C1	4 to 20 mA
		C2	0 to 5V
		CX	NA
D	Alarm or Relay Output	D1	1 Relay Output
		D2	2 Relay Output
		D3	Batch
		DX	NA

Parameter		Code	Description
E	Transmitter Power Supply	E1	24V DC 100 mA
		EX	NA
F	Communication Output 1	F1	RS485 (MODBUS RTU)
		FX	NA

Note :

- Due to our continuous product revisions, design specification and model numbers are subject to change without notice.
- Accuracy defined at Lab Conditions.
- For other requirement please consult factory.
- Sensor & other accessories to be ordered separately.
- This product is meant for laboratory/Process application only and not for custody transfer application.

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