

FL 600 PTC

FLOW INDICATOR TOTALISER

Features

- Temperature, Pressure compensated Flow
- Indication through LCD Display
- Input selectable as Linear / Square Root for Flow
- Normal Mode for Operation
- Averaging of Inputs for Turbulent Flow
- Programmable Low Flow Cut-Off
- Software Calibration



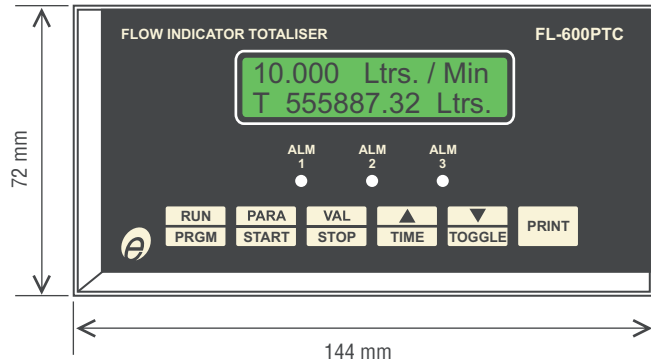
Description

Electronet series FL-600 PTC are micro-controller based Flow Indicator Totaliser designed for various industrial applications. These can be used for indication & totalisation of flow. The three individual input can be provided Flow, Temperature & Pressure. The built-in battery backup is provided for the memory to avoid loss of data in case of power failure. The micro-controller based design provides full flexibility for flow metering applications.

Technical Specifications

No. of Input	03 Nos.
Input	1) 4-20 mA / Voltage (0-5V / 1-5V)
	2) 4-20 mA / RTD for Temperature
	3) 4-20 mA for Pressure
Display	LCD Display for Flow Rate & Totalised Flow Indication
Range	Programmable (0 to 9999)
Accuracy	Better than +/- 0.25% of F. S.
Open Sensor Indication	Provided
Power Supply	90 - 250V AC, 50 Hz
Power Consumption	Less than 10 VA
Temperature Drift	< 0.01% of F. S. per°C change
Response Time	< 100 mSec
Isolation	1.4 KV between Input, Output & Power Supply
Electronics Enclosure	1) DIN STD.
	2) Weatherproof, IP-65
	3) Flameproof (CMRI IIA IIB Certified)
Bazel Size	72 (H) x 144 (W) x 250 (D) in mm approx. for DIN Std. Enclosure
Mounting	Flush of the Panel for DIN Std. enclosure & wall mounting suitable for WP enclosure
Weight	2 Kg (Approx.)
Ambient Conditions	Temperature -20 to 55°C / Humidity 5 to 95% non condensing
Transmitter 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

Dimensional Details

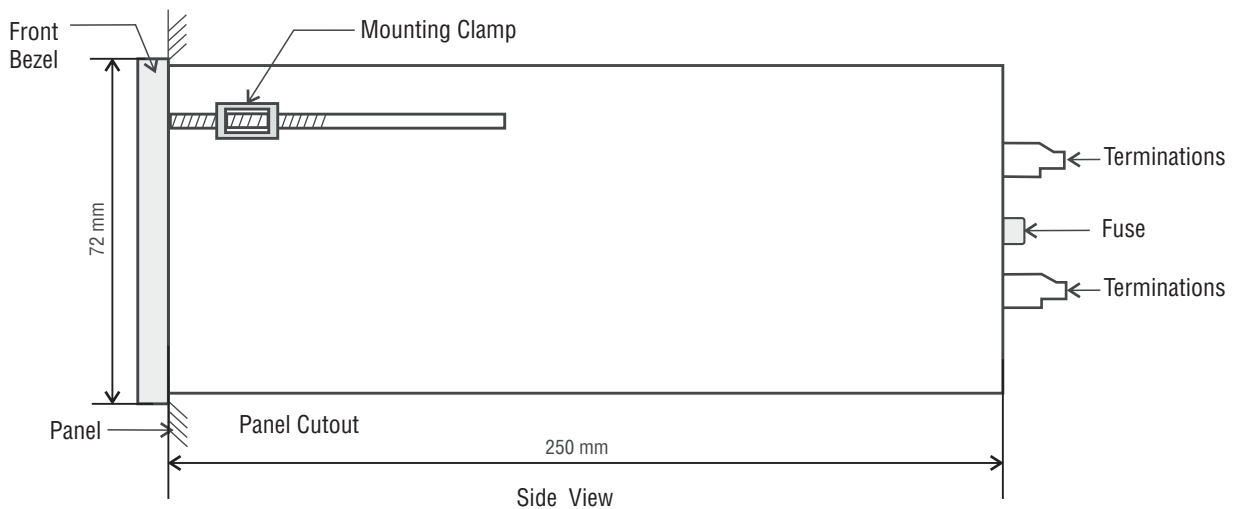


Front View



Cutout View

Installation Drawing



Side View

Ordering Information

Sample Order Code :

A1	C2	D1	E1	F2	G1	I2	J1	K1
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Parameter	Code	Description	Parameter	Code	Description
A	Electronics Enclosure	A1	DIN Standard		
		A2	Weather Proof IP 65		
		A3	Flameproof (CMRI IIA IIB Certified)		
C	Power Supply	C1	90 to 250V AC		
		C2	24V DC		
D	Input 1	D1	4 to 20mA		
		D3	1 to 5V		
E	Input 2	E1	4 to 20mA		
		EX	NA		
F	Input 3	F1	4 to 20 mA		
		F2	RTD		
		FX	NA		
G	Output 1	G1	4 to 20 mA		
		GX	NA		
I	Relay or Alarm Output	I1	1 Relay Output		
		I2	2 Relay Outputs		
		I10	Batch		
		IX	NA		
J	Transmitter Power Supply	J1	24V DC 100 mA		
		JX	NA		
K	Communication Output 1	K1	RS485 (MODBUS RTU)		
		KX	NA		
<p>Note :</p> <ul style="list-style-type: none"> ▪ 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. 					

Applications

Food Industry	Chemical Industry	Atomic Energy	Manufacturing Industry
Automation Industry	Thermal Power Energy	Process Industry	Water Treatment Industry

ELECTRONET EQUIPMENTS PVT. LTD.

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