

FL 600 OC

FLOW INDICATOR TOTALISER

Features

- Indication through LCD Display
- Liquid Level Input in the form of 4-20mA
- Indication of Liquid Level as well as Liquid Flow volume.
- Programmable Engineering Unit
- Software Calibration



Description

Electronet series FL-600OC are micro-controller based Flow Indicator Totaliser designed for applications like irrigation canals, etc. The input can be processed linearly or with 120 point linearization table in case of non-linear flow as per requirement. 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

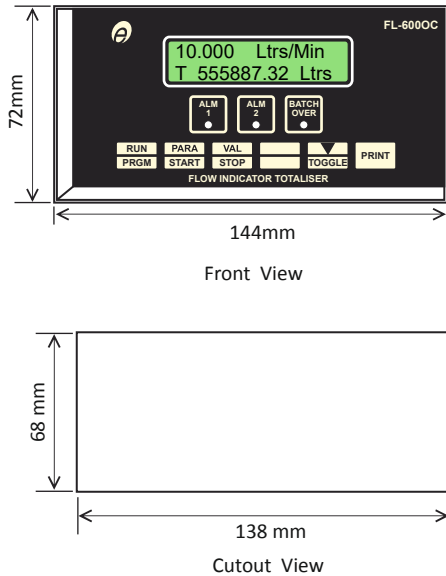
Input	Liquid Level in the form of Current (4-20 mA)
Display	LCD Display consists of 5 digit for Flow Rate Indication & 8 digit for Totalised Flow
Engineering Unit	1) Flow Level - Feet, Inches, Meters, Centimeters
	2) Flow Volume - Cubic Feet, Gallons, Million Gallons, Cubic Meters, Liters
	3) Time - Second, Minute, Hour, Day
Range	Programmable (0 to 99999)
Accuracy	Better than +/- 0.25% of F. S.
Equation Format	Manning's equation for round pipes & rectangular channels
	Standard Flow Equation
	3rd Order Polynomial Equation
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	DIN Std
Dimensions	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 Power Supply	24V DC, 30 mA
Retransmission Output	4-20mA DC
Alarm Output	Potential free Relay Contact-2 Nos. (1 c/o, 1 Amp. @ 230 V AC) Configurable for High & Low
Communication Port	RS485 supporting MODBUS RTU protocol

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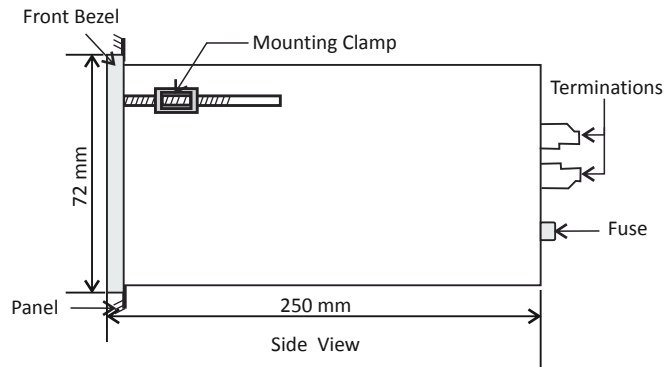
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Assembly Overview



Installation Drawing



Ordering Information

Sample Order Code : FL 600 OC-A1-B1-C1-D1-E1-F1-G1-H1-I1

Parameter	Code	Description	Parameter	Code	Description
A	Electronics Enclosure	A1	DIN Standard	F	Output 1
		A2	Field Mount IP 65		
		A3	Flameproof (CMRI IIA IIB Certified)		
B	Input Power Supply	B1	90 to 250V AC	G	Relay or Alarm Output
		B2	24V DC		
C	Input 1	C1	4 to 20mA		
		C2	1 to 5V		
D	Input 2	D1	4 to 20mA	H	Transmitter Power Supply
		DX	NA		
E	Input 3	E1	4 to 20 mA	I	Communication Output 1
		E2	RTD		
		EX	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.
- This product is meant for laboratory/Process application only and not for custody transfer application.

ELECTRONET EQUIPMENTS PVT. LTD.



Manufacturing Unit - I & Registered Office

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Manufacturing Unit - II

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