

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

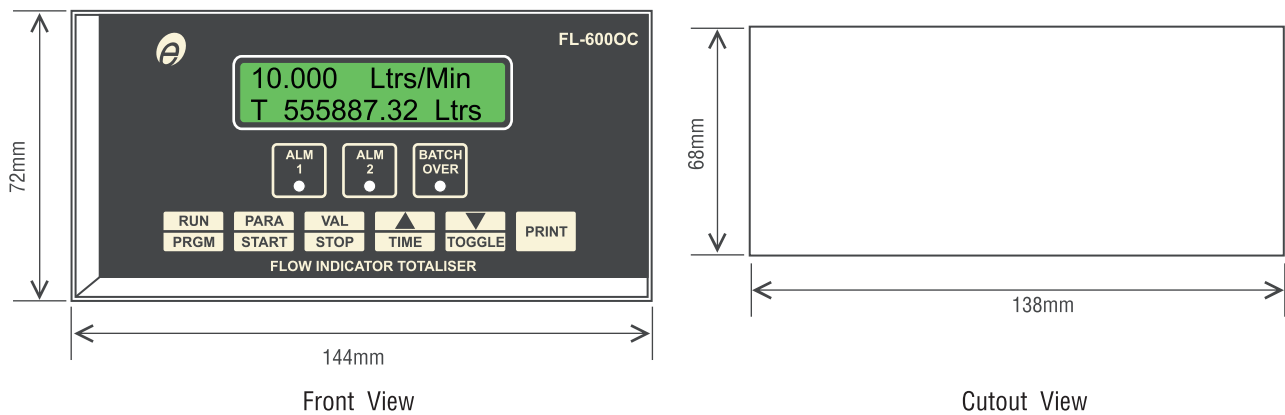


Electronet series FL-600OC are micro-controller based Flow Indicator Totaliser designed for applications like irrigation canals, etc. The input can be processed linearly or with 120 point linearization table in case of non-linear flow as per requirement. The built-in battery backup is provided for the memory to avoid loss of data in case of power failure. The micro-controller based design provides full flexibility for flow metering applications.

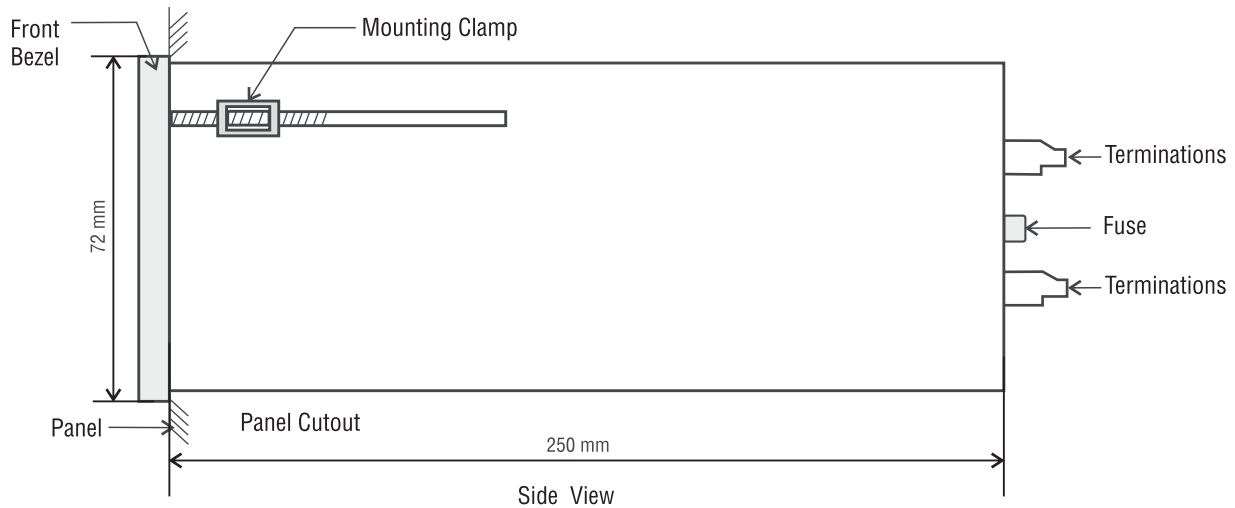
Technical Specifications

Input	Liquid Level in the form of Current (4–20 mA)
Display	16 x 2 LCD consists of 5 digit for Flow Rate Indication & 8 digit for Totalised Flow
Engineering Unit	Flow Level – Feet, Inches, Meters, Centimeters
	Flow Volume – Cubic Feet, Gallons, Million Gallons, Cubic Meters, Liters
	Time – Second, Minute, Hour, Day
Range	Programmable (0 to 99999)
Accuracy	Better than $\pm 0.25\%$ 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	1) 24V DC 2) 90 – 250V AC, 50 Hz
Power Consumption	Less than 10 VA
Temperature Drift	$< 0.01\%$ of F. S. per $^{\circ}$ C change
Response Time	< 100 mSec
Isolation	1.4 KV between Input, Output & Power Supply
Enclosure	1) DIN Std 2) Weather-proof, IP-65
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.)
Operating Conditions	Temperature -20 to 55° C / Humidity 5 to 95% non condensing
OPTIONAL	
Transmitter Power Supply	24V DC, 30 mA
Retransmission Output	4–20mA DC
Alarm Output	Potential free Relay Contact–2 Nos. (1 c/o, 5 Amp. @ 230 V AC) Configurable for High & Low
Communication Port	RS 485 / RS 232 supporting MODBUS RTU protocol

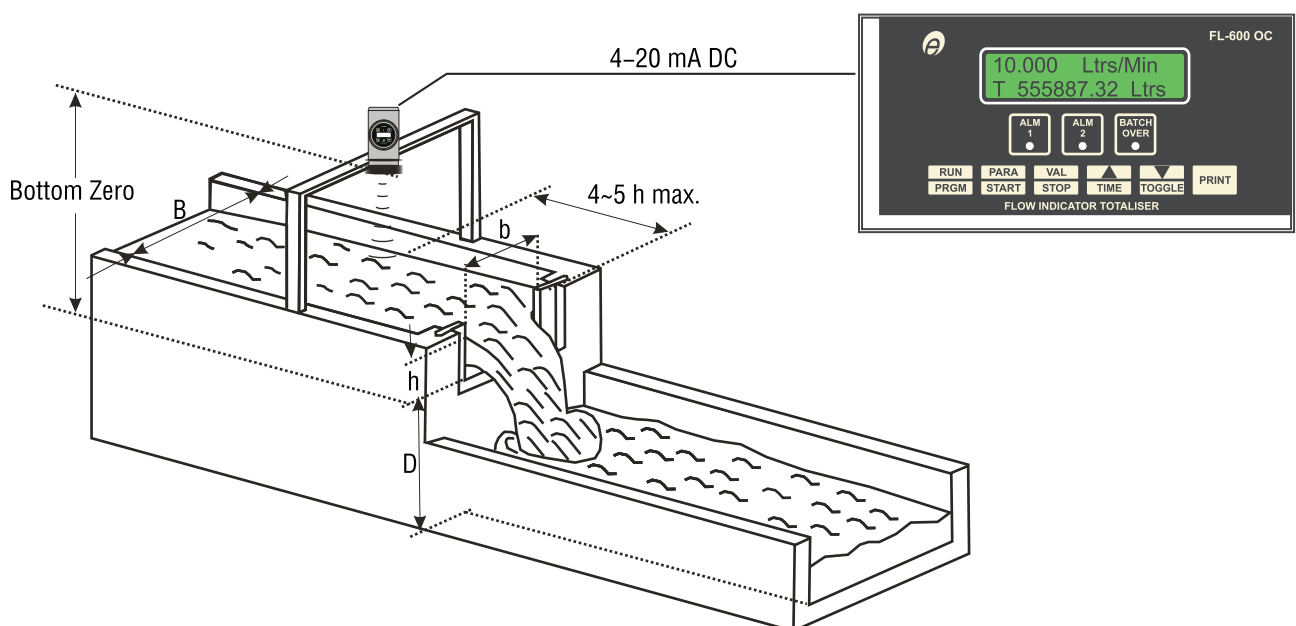
Dimensional Details



Installation Drawing



Application Drawing



Ordering Information

Sample Order Code : 29A-43H-49Y-52L-53C-59A-60A

Parameter		Code	Value
29	Electronics Enclosure	29A	DIN
		29B	Weather Proof
		29C	Flame Proof
43	Input	43F	4 to 20mA
		43H	1 to 5 V
49	Output	49A	4 to 20mA
		49Y	None
52	Alarm Output	52A	1 Alarm
		52B	2 Alarm
		52L	Batch
		52Y	None
Note: At a time Maximum 2 Alarms			

Parameter		Code	Value
53	Communication Output 1	53A	RS 485
		53B	RS 232
		53C	GSM
		53Y	None
59	Transmitter Power Supply	59A	24V DC
		59Y	None
60	Input Power Supply	60A	90 to 250V AC
		60B	24V DC
Note : <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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