

## Flow Indicator Totaliser

### Features:

- Indication through LED
- Input selectable as linear / square root.
- Normal / Batch mode for operation
- Averaging of inputs for turbulent flow.
- Programmable low flow cut-off.
- Software calibration.



### Application:

Series F-244 is micro-controller based flow indicator totaliser designed for various industrial applications. These can be used for indication & totalisation of flow. The input can be processed linearly or square rooted. The built-in battery back-up 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.

### General:

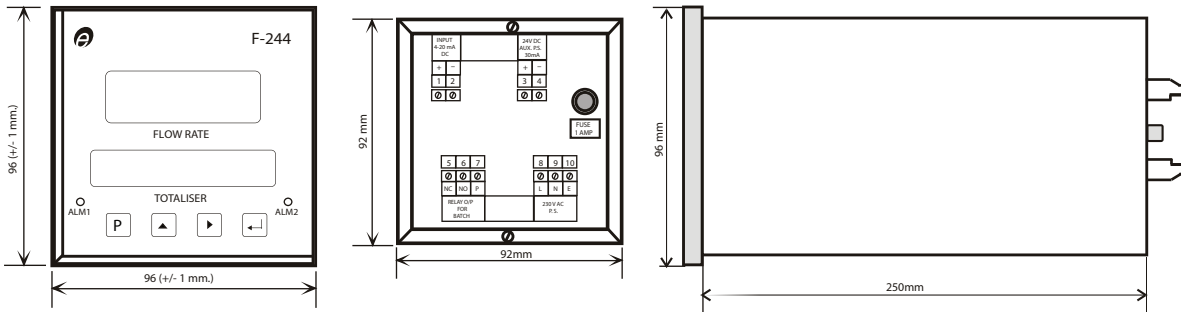
Operating Modes	:	Normal / Batch
Input	:	Linear / Square Rooted 1) Current ( 4-20 mA) 2) Voltage (1-5 V / 0-5 V) 3) Frequency (0-10 KHz)
Display	:	4 digit, 0.5" Red LED for Flow Rate & 8 digit, 0.3" Red LED for Totalised Flow
Range	:	Programmable (0 to 9999)
Accuracy	:	Better than + 0.25% of F. S.
Open Sensor Indication	:	Provided
Power Supply	:	1) 24 V DC, External 2) 90 - 250 V 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
Enclosure	:	1) DIN Std 2) Weather-proof, IP-65 3) Flame-proof, IP-65, IIA, IIB CMRI Certified
Dimensions	:	96 (H) x 96 (W) X 250 (D) in mm approx. for DIN std. enclosure
Mounting	:	Flush of the Panel for DIN std. enclosure & wall mount for WP & FLP enclosure
Weight	:	2 kg (Approx.)
Operating Conditions	:	Temperature 0 to 55 °C / Humidity 5 to 95% non condensing

#### OPTIONAL

Transmitter Supply	:	24 V DC, 30 mA
Retransmission Output	:	4 - 20 mA / 0-5 V, Isolated
Alarm Output	:	Potential free Relay Contact - 2 nos. (1 c/o, 1 Amp. @ 230 V AC) Configurable for High, Low & Batch
Communication Port	:	RS 485 / RS 232 supporting MODBUS RTU protocol

## Flow Indicator Totaliser

### ⚙️ Dimensions



## HOW TO ORDER

### ⚙️ BASIC MODEL:

F-244

### ⚙️ Enclosure:

01

- 01 DIN Standard      02 Weather Proof      03 Flame Proof

### ⚙️ Input:

03

- 03 4-20 mA      04 0-5/1-5 V      06 0-10 Khz

### ⚙️ Ret. Output:

02

- 01 4-20 mA      02 0 - 5 V      09 None

### ⚙️ Alarm:

01

- 01 Alarm 1      02 Alarm 2      03 Batch  
04 All      09 None

### ⚙️ Transmitter Supply:

08

- 01 24 V DC 30 mA      08 Other      09 None

### ⚙️ Communication Port:

02

- 01 RS 232      02 RS 485      09 None

### ⚙️ Power Supply:

01

- 01 24 V DC      02 230 V AC

Ordering Example: F-244- 01 - 03 - 02 - 01 -08 - 02 - 01