

# Flow Monitor

## Features

- Input: 4-20 mA from Flow Transducer
- Fully automatic operation
- High switching accuracy
- Low switching hysteresis
- Continuous switching point set by operator
- Provision for field calibration
- Transfer from current hour to previous hour using inbuilt clock
- 4-20 mA retransmission (Optional)
- Enclosure: Sheet Steel powder coated to withstand all weather conditions

Flow monitors are an advanced display system used to monitor liquid flow parameters in sugar mills.

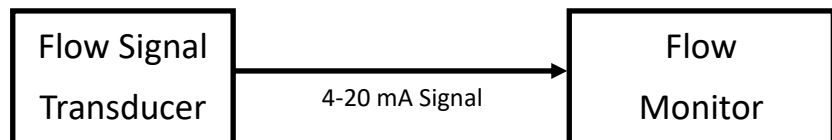
There has been a need to show parameters like current flow rate, previous hour flow rate and current status of flow mass at prominent places in sugar mills, so that both the engineers and the managers be aware of these parameters at all times. This enables them to work more efficiently and make better decisions regarding the operation of the mill.

Our flow monitors can show these parameters using Jumbo displays. Apart from flow rate, the system also has a totalizer, and can display the hourly / daily / monthly / season total.

The device has a complete solid state electronics design with no moving part, therefore it is free of all mechanical failures. The system has a Totalizer which gives error free total fluid flow over the season.

We can custom build the flow monitor to include new design / features as required by the customer.

## Block Diagram



## Applications

- Control Flow Indication
- Control Room Display

## Technical Specifications

Parameter	Value
Input Signal	4-20 mA from flow transducer
Power Supply	220V 50Hz
Totalizer	See Variants table
Enclosure	Mild Steel Powder Coated
Decimal Point	User Settable on site
IP Rating	IP54
Output	4-20 mA (Optional)

Product specification are liable to change with any prior notice.\*\*

Incepted in 1977, ELECTRO-MED is a manufacturer of Digital Instruments and Electronic Displays, providing outstanding

[info@electromed.co.in](mailto:info@electromed.co.in)

[www.electromed.co.in](http://www.electromed.co.in)

+91 522 2325655

D 17 Vivekanand Puri, Lucknow, India

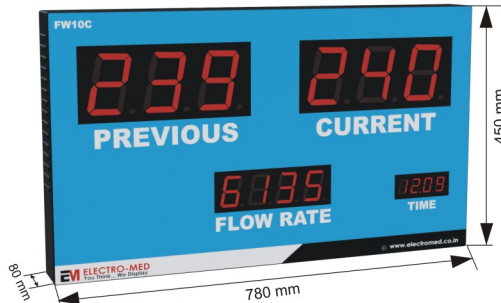
## Variants

\*All models are also available with both side displays

Model*	Flow Rate	Current Hour	Previous Hour	Totalizer / Counter	Clock	Cabinet Size**
FW10C	4 digits 2 inch high	3 digits 4 inch high	3 digits 4 inch high	6 digits, ½ inch high in separate enclosure	HH:MM, 1 inch high in Hanging enclosure	450 x 780 x 80 mm
FW30T	4 digits 0.5 inch high	-	-	6 digits 0.5 inch	-	192 x 96 mm
FW04T	4 digits 4 inch high	-	-	6 digit 2 inch high	-	
FW08T	4 digits 8 inch high	-	-	6 digit 2 inch high	-	

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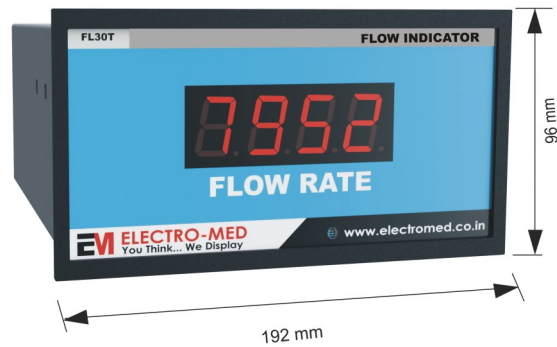
**FLOW INDICATOR PANEL**  
Model: FW10C



Digit Height	Previous	Current	Flow Rate	Time
4 inch	4 inch	4 inch	2 inch	1 inch

Make: ELECTRO-MED

**FLOW INDICATOR**  
Model FW10C



Digit Height 0.5 Inch

Make: ELECTRO-MED

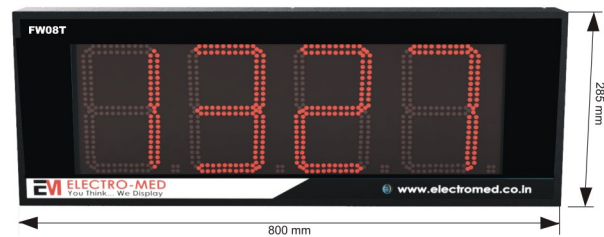
**DIGITAL FLOW INDICATOR**  
Model FW04T



Digit Height: 4 Inch

Make: ELECTRO-MED

**DIGITAL FLOW INDICATOR**  
Model FW08T



Digit Height 8 Inch

Make: ELECTRO-MED

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✉ [info@electromed.co.in](mailto:info@electromed.co.in)

🌐 [www.electromed.co.in](http://www.electromed.co.in)

☎ +91 522 2325655

📍 D 17 Vivekanand Puri, Lucknow, India