

Our digital flow meter necessarily has a flow sensor with a magnetic multi-bladed spinning rotor (impeller) mounted inside at right angles to the flow. The rotational speed of the impeller is proportional to the velocity of fluid. The pulse generated is transmitted and converted into a volumetric measurement. Our digital flow meters are individually calibrated to give reliable flow measurement.



## KEY ATTRIBUTES

- Digital Flow Meter measuring flow rate from **0.05 m<sup>3</sup>/hr to 500 m<sup>3</sup>/hr**
- **REMOTE RESET** (Auto/Manual)
- Optional computer interface with **RS 485** or **4-20mA** output
- **DUAL SENSOR**, dual line, single meter

## OUR METER FUNCTIONS AS

- **BATCHER & TOTALISER**  
Relay gets energized after a fixed quantity of water passes through the sensor. The batcher has an auto reset, manual reset and dual relay operation facility. Batch quantity counts downwards till zero value
- **FLOW COMPARATOR**  
The meter is supplied with two sensors for RO permeate and inlet/ reject line. The meter displays both the flow rates and also calculates percentage recovery.
- The setting is done on **PERCENTAGE RECOVERY**  
If plant recovery is increased by the client to get more permeate, plant will trip thereby safeguarding expensive membranes
- **RATE SWITCH MODE**  
The relay is programmed to energize whenever actual Flow falls below the set value.  
Display shows 'LOW FLOW RATE'
- **PULSER**  
Meter can be configured to suit any metering/dosing pump  
Chemical dosing can be done online proportional to flow.
- **OPTIONAL DATA LOGGER**  
The flow meter is available with data logger option where flow rate & total flow with date & time is stored in a 2GB Memory card

## INDICATOR FT- 650

Physical dimensions	105 x 105 x 120mm
Cut-out size	92 x 92mm
Enclosure	Abs weather proof IP-65
Mounting	Field / Panel
Supply power	230 VA.C./ 110 VA.C./ 24 V (200mA) D.C.
Max. Total Count	0-999999.9 m <sup>3</sup> / 0-9999999 litres
Accuracy	± 2% FSD
Alarms/Control Relay	One. 5 A @ 230 V AC
Calibration/set point	Using front panel keypad
Input	From sensor
Output	Relay output for batch quantity 4-20 mA (optional) RS 485 (optional)

## APPLICATIONS



# FLOW SENSORS

## INSERTION TYPE



### AVAILABLE RANGES FOR INSERTION TYPE:

LINE SIZE	FLOW RANGE (m <sup>3</sup> /hr)	
	MIN	MAX
40NB	0.5	19
50NB	3.5	35
65NB	5	50
80NB	9	90
100NB	14	140
125NB	22	220
150NB	30	300
200NB	50	500

• All dimensions are in mm.

### SENSOR SPECIFICATIONS

Sensor Body	Noryl
Impeller	PP
Shaft	Carbide
Bearing	Ceramic
Sensing Element	Hall effect I.C.
Maximum Pressure	5 kg/cm <sup>2</sup>
Maximum Temperature	60°C
Accuracy	± 2% of Full Scale

## FULL BORE TYPE



### AVAILABLE RANGES FOR FULL BORE TYPE:

RANGES (m <sup>3</sup> /hr)	6 NB (1/4")	25 NB (1")	50 NB (2")
FLOW RANGE MIN.	0.05	0.25	1.0
FLOW RANGE MAX.	0.50	8.00	30.00
END CONNECTIONS	BSPM	BSPM	BSPM
FACE TO FACE	100	205	260

• All dimensions are in mm.

## KEY ATTRIBUTES

- **INEXPENSIVE & ACCURATE**
- **All PLASTIC** wetted parts
- **EASY TO INSTALL AND MAINTAIN**
- Each sensor calibrated with fitting for **K FACTOR (ml/pulse)**
- **HIGH AMPLITUDE OUTPUT** signal from sensor eliminates needs of retransmission upto 100 meters.
- **CERAMIC BEARING** for superior low flow performance
- Threaded housing allows **FIELD MAINTENANCE**
- Insertion type sensor also available with **SOLVENT CEMENTABLE ADAPTORS**
- **SENSOR CAN BE USED DIRECTLY WITH PLC OR DATALOGGER**

### AVAILABLE FLOW FITTINGS

NOTE: FITTINGS AS PER ASTM/ DIN STANDARDS



FLANGED FITTINGS



PVC TEES



SS ADAPTER



PVC ADAPTER