



An ISO 9001-2015 Certified Company

Turbine Flowmeter (TFM Series)



Scientific Devices Turbine Flow Meters are useful for liquids & gases in general industrial application. They provide excellent performance with quality & reliability. Suitable for as hygienic application. The flowing media engages a vaned rotor causing it to rotate at an angular velocity proportional to flow rate. The pick-off coil senses the spinning motion of the rotor inside the pipe & converts it into a pulsating electrical signal. Summation of the pulsating electrical signal is directly related to the total flow. The frequency is linearly proportional to flow rate which is converted to mA signal by electronic circuitry. Flow rate Indicator/Totalizer/Transmitter and Controllers are available in Local/Remote and Panel Mounted Options. **Design & Calibration Confirms to ISA-RP31.1**

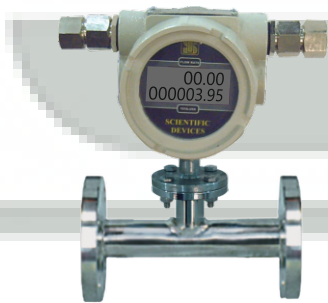
Specification

- Fluid : Clear Liquids & Gases
- Viscosity : Up to 40 cp
- Design Pressure : Up to 25 Kg/cm²
- Line Size : 6 NB to 200 NB
- Available Materials : SS304 /SS304L/SS316/SS316L
- Connection : Flanged to ASA/BS/DIN/ DIN/Triclover Standard Screwed to BSP/NPT(M/F)
- Accuracy : ± 1% of FSD & ± 0.5% on request
- Flow Units : M3/H, M3/M, M3/S, L/H, L/M, L/S,USG/H, USG/M, USG/S
- Design Temperature : Up to 110°C
- Power supply : 220 VAC/24VDC
- Out Put : 4-20mA+HART
- Relay Out Put : Low & High Flow Alarm
- Flow rate Display : 8 Digit LCD
- Totalizer Display : 10 Digit LCD
- Communication port : RS485(Modbus)
- Lowest velocity : 0.1 m/s

**Product Code :
TFM Series**

Available Options

With Field Mounted Flow Rate Indicator, Totalizer, 4-20 mA Out Put, Pulse Out Put, Low & High Flow Alarm



Product Code : TFM-FR-TZ-TX-P

With Cooling Jacket Field Mounted Flow Rate Indicator, Totalizer, 4-20 mA Out Put, Pulse Out Put, Low & High Flow Alarm



Product Code TFM-FR-TZ-TX-CJ

With Field Mounted Flow Rate Indicator, Totalizer, 4-20 mA Out Put, Pulse Out Put, Low & High Flow Alarm



Product Code TFM-FR-TZ-TX-TC

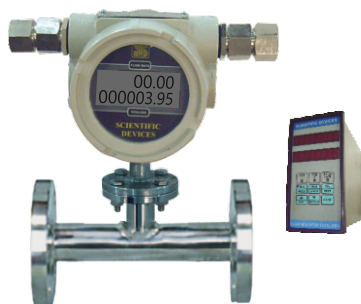
Battery Operated Turbine Flowmeter with Flow rate Indicator & Totalizer



Flow Rate : 5 Digit LCD
Totalizer : 8 Digit LCD
Battery : Lithium ion
Battery Life: 4 Years
Line Size : 6 NB to 200 NB
Accuracy : ±1% of FSD

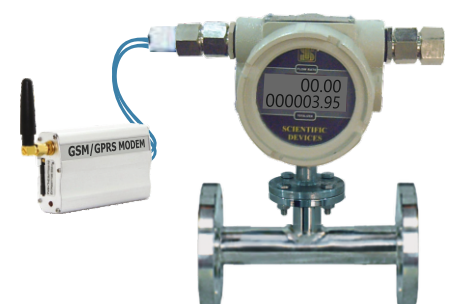
Product Code : TFM-FR-TZ-BO

Field & Panel Mounted Flow rate Indicator Totalizer / Batchter & 4-20 mA Retransmission output



Product Code TFM-FR-TZ-TX-SD2001

Data Communication of Turbine Flowmeter to centralized computers Via GSM/GPRS Modem



Product Code : TFM-FR-TZ-TX-P-GSM