

TURBINE FLOW METER



Our **Turbine Flow Meter** are designed for the volumetric measurements of liquids & gases. The meters are rugged, reliable & precise instruments suitable for all industrial corrosive & Non – Corrosive Chemicals, Fuels, and Oil & Gases etc. The basic meter consists of a freely suspended bladed rotor positioned axially in the flow stream with the flowing fluid pushing against the blades. The rotational speed of the turbine is proportional to the velocity of the fluid & hence truly represents the volume of the fluid flowing through meter. The rotation of turbine rotor generates electrical pulses in the pick off attached to flow meter housing. The output pulses are amplified & converted to measure flow rate & integration. Turbine sensor with four/six digit batch controller with ICO Relay output contact offered to transfer. Preset qty. Of liquid from main storage tank with automatic flow shut off. We are a credible Manufacturer, Exporter and Supplier of Turbine Flow Meter in India.

Applications:

Water

Diesel

Petrol

Vegetable Oil

Hydraulic Oil

Chemical (S.S. With Teflon coating)

Milk plant.

Gases

Specifications :

Line Size	6 NB to 200 NB
Measuring Range	0.18 to 750 m ³ /hr of water / clear liquid 0.5 to 2200 Nm ³ /hr of Air NTP
Display	4 Digit LED for flow rate & 8 Digit LED for totaliser
Transmitter Electronics	Integral / Remote
Type of Output	4 to 20 mA DC Optically Isolated
Accuracy	+1- 1% F.S. (0.5% Optional)
Linearity	+/-0.5%
Repeatability	+/-0.2%
Turn down ratio	10 : 1 to 100 : 1
Density / Sp. Gravity	Up to 2.95
Viscosity	Up to 100 cp
Process Temperature	0-80 Deg C (Special design for high temperature available)
Process Pressure	0-20 Kg/cm ² (Special design for high pressure available)
Material of construction	Bearings Tungsten Carbide Sleeve / Rotor ½ SS 410
Power Supply	24 V DC, External
Power Consumption	< 1 VA
Response Time	< 100 m Sec
Temperature Coefficient	+/-0.01 % per 0C
Transmitter Enclosure	Flame-proof, IP-65, IIA, IIB CMRI certified

Mounting	Flush of Panel
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