

TURBINE METER

TECHWAY

INTRODUCTION:

A **turbine flow meter** is used for volumetric flow rate **measurement** and has a relatively simple **working principle**. The angular (rotational) velocity of the **turbine** rotor is directly proportional to the fluid velocity flowing through the **turbine**.



The product may be used in a wide range of industries, including oil industry, chemical industry, metallurgy, water supply, paper-making, environment protection and food industry. It is also an ideal flow meter for measuring for RO, DM, and Condensate water with High Temperature providing economic solution for this application.

SALIENT FEATURE OF TFM TURBINE METER:-

- Liquid flow measurement application (water, milk, chemical, beverages etc.)
- Low Cost.
- Indicates flow and total flow.
- 4 – 20 mA output.
- Wide flow range.
- Temperature upto 120 Deg.C.
- Pressure upto 50 Bar.
- Supply 230 V AC / 24 V DC.
- Cost effective solution for RO water, Condensate water, DM water etc

Table 1

	TFM	□□□	□	□	□	Description			
Type	TFM - A					Flow sensor pulse output three-wire system, +12V power supply;			
	TFM - B					Local display, powered by 3.6V battery;			
	TFM - C					Local display with 4 ~ 20mA or pulse output, powered by 24V;			
	TFM - D					Flow transmitter 4~20mA output, powered by 24V;			
Nominal diameter	drift	4				Normal flow range m3/h	0.04~0.25	Extended flow range m3/h	0.04~0.4
		6					0.1~0.6		0.06~0.6
		10					0.2~1.2		0.15~1.5
		15					0.6~6		0.4~8
		20					0.8~8		0.45~9
		25					1~10		0.5~10
		32					1.5~15		0.75~15
		40					2~20		1~20
		50					4~40		2~40
		65					7~70		3.5~70
		80					10~100		5~100
		100					20~200		10~200
		125					25~250		12.5~250
		150					30~300		15~300
200				80~800	40~800				

TECHWAY INSTRUMENTS

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