



## Turbine Flowmeter

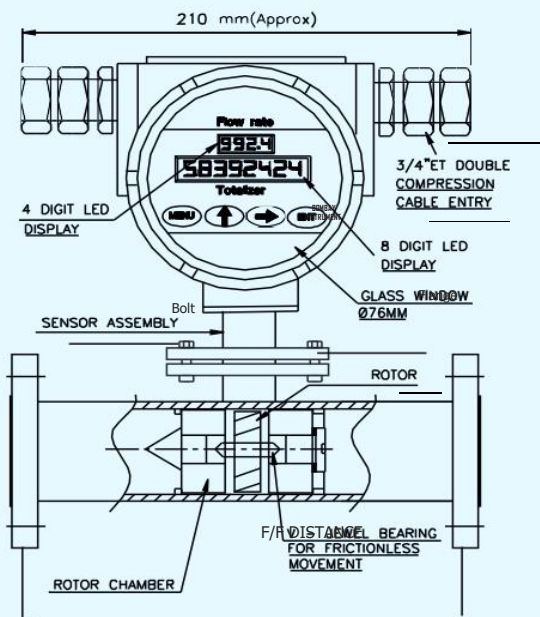
### Turbine Flowmeter with Field Mounted Flow Rate Indicator Totalizer, 4-20mA output Transmitter and Batcher

Shriji Instruments 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 vane rotor causing it to rotate at an angular velocity proportional to flow rate. The pick-up 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.

**Product Code: SJFB-11**

#### Suitable for:

Fluid	: Clear Liquids & Gases	Density / Sp. Gravity	: Up to 2.95
Viscosity	: Up to 20 cp	Temperature	: Up to 250°C
Pressure	: Up to 40 Kg/cm <sup>2</sup>	Power S	: 24 VDC Isolated
Measuring Range	: 0.18 to 750M <sup>3</sup> /hr of Water /Clear Liquid 0.5 to 2200 Nm <sup>3</sup> /hr of Air/Gas at NTP	Flow Rate Display	: 4 Digit LED
Line Size	: 6 NB to 200 NB	Totalizer Display	: 8 Digit LED
Available MOC	: SS304/SS304L/SS316/SS316L	Programing	: By membrane Keys
Connection	: Flanged to ASA/BS/DIN/ Triclover Standard Screwed to BSP/NPT(M/F)	Transmitter	: 4-20mA output optically Isolated
Accuracy	: ±1% of FSD & ±0.5% on request	Relay Out Ⓟ	: Potential free contact
		Relay Rating	: 5 Amp/ 230 VAC



#### Turbine Flow Meter Parts

P. No	Description	Materials
1	Bearings Bush	Tungsten Carbide / Stellite / Ball Bearing for Gases
2	Rate Total Electronic Module	Flame Proof CMRI Certified to Gas Group II A , IIB
3	Magnetic Pick Off Coil Sensor	Stainless Steel
4	Stopper	AISI 304 / 316 / 316 L
5	Meter Body	AISI 304 / 316 / 316 L
6	Shaft	Tungsten Carbide / Stellite
7	Turbine Shaft Screw	AISI 304 / 316
8	Washer	PTFE
9	Turbine Rotor	AISI 410 / 430
10	Rotor Chamber	AISI 304 / 316 / 316 L
11	Circlip	AISI 304 / 316
12	Electronic Module Mounting Flange	
13	Nut Bolts to remove/replace electronic Module	

## Flow Range in M<sup>3</sup>/hr

Line Size NB	6	15	20	25	40	50	80	100	150	200
Liquid Flow	0.18	0.22	0.6	1	2.5	4.5	9	18	35	75
	1.8	2.2	6	10	25	45	90	180	350	750
Gas Flow	0.5	0.88	3.2	6.4	7	15	30	55	100	220
	5.5	6.60	24	48	70	150	300	550	1000	2200
F/F Distance	175	175	175	175	175	175	250	250	250	285
Net Weight in Kg.	3	4	4	5	6	8	12	13	26	34

### Mounting

