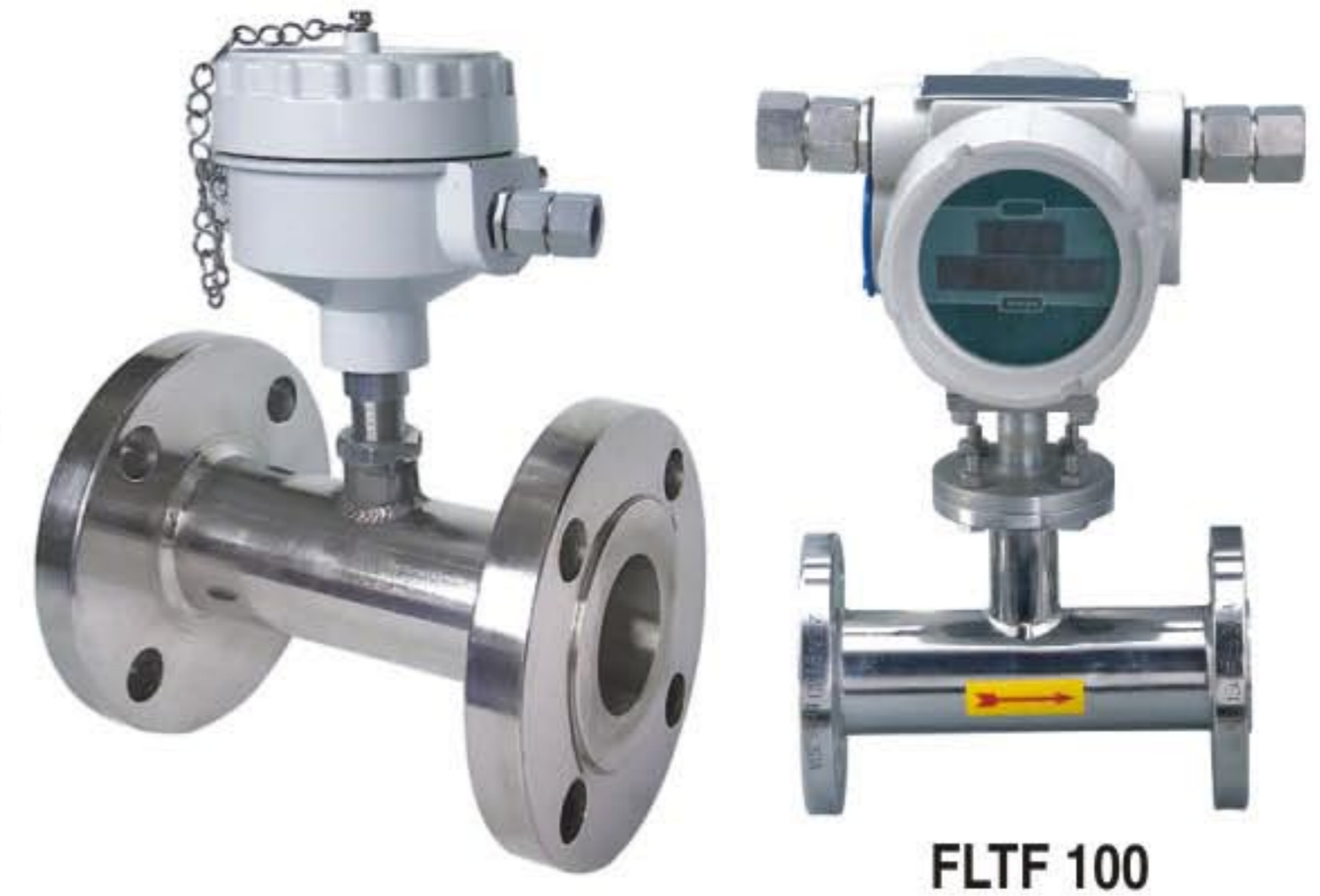


# TURBINE FLOWMETER

Flowtel series FLTF100 2 wire /FLTF200 4 wire turbine flow transmitter specially used for various industrial applications. The flowing media engages a vaned 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 pulsation electrical signal is directly related to the total flow. The frequency is linearly proportional to flow rate which is converted to electrical signal 4 - 20 mA.



FLTF 100

## TECHNICAL SPECIFICATIONS

Media:	Liquids (Clear)	Process Temp. :	150 °C max
Viscosity:	100 cp max	Process Pressure :	30 kg/cm <sup>3</sup> max
Pick off Type:	Magnetic sensor	Construction Material :	Body, Bearing, Support & Flange - SS 316
Line Size:	15 NB to 150 NB	Rotor :	SS 410 / SS 410 with Teflon coating
Display :	8 x 1 LCD/ 4x1 LED, 8 x 1 LED	Shaft :	Tungsten carbide
Type of Output:	4 to 20 mA DC, 2 wire/Pulse 30 mV	Power Supply :	Loop powered, 24 V DC, External
Calibration Range:	As per requirement	Power Consumption :	< 40 mW
Accuracy :	+/- 1% F. S.	Response Time :	< 100 mSec
Linearity :	+/- 1%	Temperature Coefficient :	+/- 0.01% per °C
Repeatability :	+/- 1%	Transmitter Enclosure :	Flame-proof, IP-65, IIA, IIB CMRI Certified
Pressure Drop :	Approx 0.28 kg/cm <sup>3</sup> at max. flow	Process Connections :	Flanged / Threaded / Tri-clover
Turn down ratio :	10:1 to 100:1	Mounting :	In-line (Horizontal OR Vertical)
		Operating Conditions :	Temperature 0 to 55°C / Humidity 5 to 95%

### LINE SIZE SELECTOR CHART WITH RESPECT TO FLOW RANGE

Line Size	15	20	25	40	50	80	100	150
Flow Range M <sup>3</sup> /Hr	0.2-2.2	0.6-6	1-10	2.5-25	4.5-45	9-90	18-180	35-350
F/F Distance	175/208	175/210	175/213	175/220	175/238	238/250	250/275	250/275