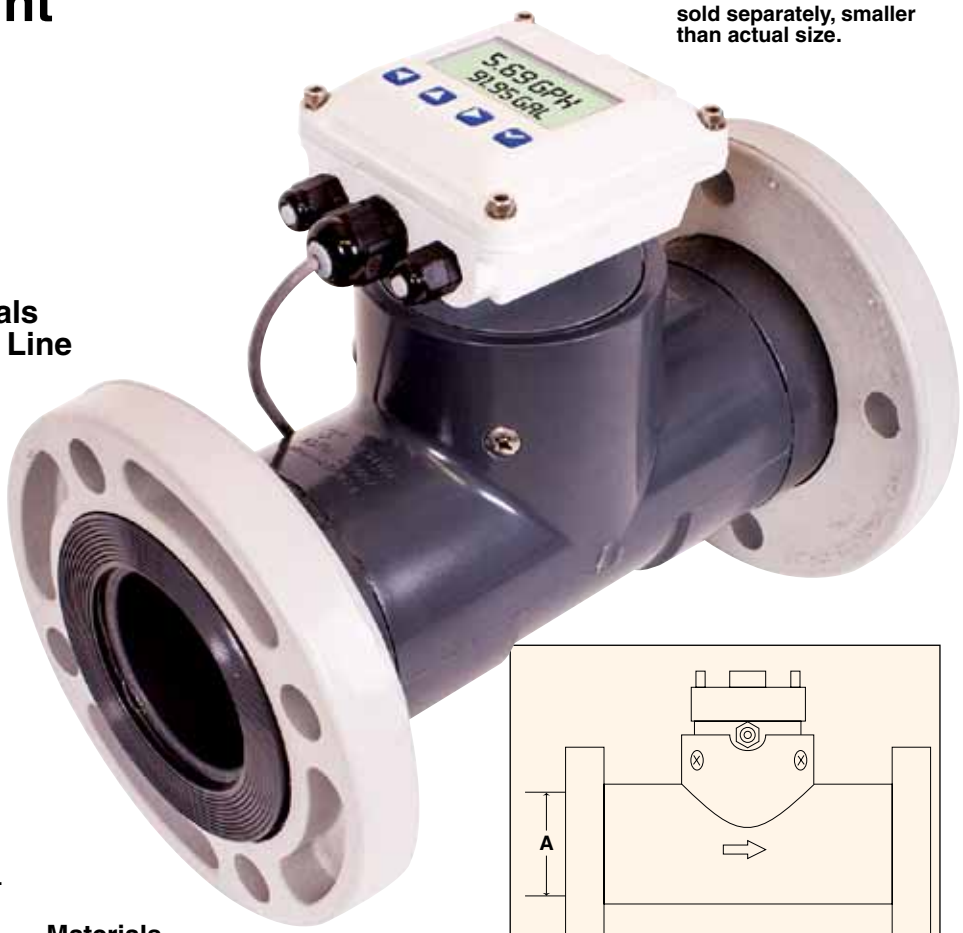
Turbine Flow Meters
PVC Flange Mount

FTB730, shown with DPF143P and DPF140-W2M sold separately, smaller than actual size.

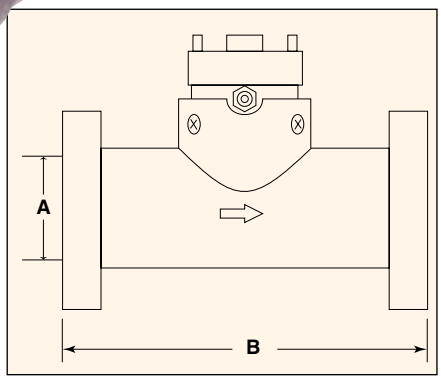


FTB700 Series

1 YEAR WARRANTY

- **High-Accuracy Machined Turbine Internals Removable with Meter in Line**
- **Standard Meter Bodies are Flanged**

TRODEKS® FTB700 Series turbine meters have a unique system of precisely-machined helical rotors and high-quality jewel bearings. The rotor is the only moving part. Small magnets on the rotor hub are electronically detected by a solid state Hall-effect sensor outside the wetted area. The turbine rotor uses journal-type sapphire and ruby bearings for minimum friction and maximum life. These bearings are ideal for long life in water and water-based fluids, and they have exceptional low-flow characteristics. The entire rotor assembly (rotor, hubs, bearings, rotor strut) can be removed from the meter as a single unit without removing the meter from the pipe.



Specifications

Maximum Working Pressure: 150 psi PVC

Maximum Temperature:
PVC: 49°C (120°F)

Accuracy: ±1% FS

Signal: Squarewave pulse

Power: 6 to 24 Vdc

Materials

Meter Body: PVC

Flanges: Van Stone with steel backing flange

Turbine Rotor: PVDF

Rotor Shafts: Zirconia ceramic

Bearings: Sapphire journal, ruby ball

FTB700-T (Optional Blind Transmitter)

Output: 4 to 20 mA

Loop Power: 12 to 26 Vdc (isolated)

Accuracy: ±1%

Response Time: 3 sec, 95% FS

Temperature/Pressure for PVC Body

Operating Temp °C (°F)	Maximum Operating Pressure bar (psi)
24 (75)	10 (150)
38 (100)	9 (124)
49 (120)	5 (75)
54 (130)	3 (50)

To Order

Model No. PVC	Flow GPM	Pulses/Gal	Pipe Size "A" mm (inch)	Length "B" mm (inch)
FTB720	2 to 150	60	51 (2)	254 (10)
FTB730	3 to 400	10	76 (3)	305 (12)
FTB740	6 to 600	5	102 (4)	356 (14)
FTB760	12 to 1200	2	152 (6)	457 (18)

Accessories

Model No.	Description
FTB700-T	Blind 4 to 20 mA transmitter
PSU-93	24 Vdc power supply

Comes complete with 5.5 m (18') cable and operator's manual.

F