

- ❑ Longest Lasting Battery | Up to > 7 Years
- ❑ Years Lifetime Warranty Industry's Highest
- ❑ Accuracy: $\pm 0.5\%$



ETFE Tefzel® Paddle

- ❑ Chemically Inert to Virtually All Chemicals
- ❑ Superior Anti-Stick and Low Frictional Properties
- ❑ Excellent Mechanical Properties
- ❑ Exceptional Impact Strength
- ❑ Superior Chemical and Wear Resistance vs PVDF

The TIB Digital Flow Meters are easy to install with exceptional guaranteed long-life performance. The TIB Series Paddle Wheel Flow Meters are highly repeatable, exceptionally accurate, extremely rugged and offer outstanding value and require no maintenance.

TIB Series has a process-ready output signal with a wide dynamic flow range of 0.3 to 33 ft/s | 0.1 to 10 m/s.

TIB Series sensors are offered in various materials and are available to measure 1/2 - 24" pipe sizes.

The many material choices, including PVC, PP and PVDF make this model highly adaptable and chemically resistant to many corrosive liquid process applications.

The TIB Flow Meters can be installed using Truflo® extensive line of ANSI and DIN fittings. Truflo® offers SDR Pipe Saddles from DN15 - DN600 in GFPP material.



Features

- ❑ Industry's Longest Lasting Battery
- ❑ Large LCD Display
- ❑ Pipe Sizes 1/2" - 24"
- ❑ Flow Rate + Totalizer | Resettable
- ❑ Flow Range | 0.3 to 33 ft/s
- ❑ EPROM Memory | Totalizer Value Will Not Be Lost
- ❑ Lost Retrofits into Signet® Type Fittings



New ShearPro® Design

- ❑ Superhydrophobic Design
- ❑ Contoured Flow Profile
- ❑ Reduced Turbulence
- ❑ Reduced Friction
- ❑ 78% Less Drag than Old Flat Paddle Design*



*Ref: NASA "Shape Effects on Drag" **

Zirconium Ceramic Rotor | Bushings

- ❑ Industry's Highest Impact and Chemical Resistant Properties
- ❑ Up to 15x the Wear Resistance vs. Regular Ceramic
- ❑ Nano-Polished Mirror Finished vs. Regular Ceramic - Less Friction
- ❑ Integral Rotor Bushings, Reduce Wear & Fatigue Stress



Through-Pin Design

- ❑ Eliminates Finger Spread
- ❑ No Lost Paddles
- ❑ Increased Temp. Rating
- ❑ Protects Rotor Pin
- ❑ Reduced Turbulence



Technical Specifications

General				
Operating Range	0.3 to 33 ft/s	0.1 to 10 m/s		
Pipe Size Range	½ to 4"	DN15 to DN600		
Linearity	±0.5% of F.S @ 25°C 77°F			
Repeatability	±0.5% of F.S @ 25°C 77°F			
Wetted Materials				
Sensor Body	PVC (Dark) PP (Pigmented) PVDF (Natural)			
O-Rings	FKM EPDM* FFKM*			
Rotor Pin Bushings	Zirconium Ceramic ZrO ₂			
Paddle Rotor	ETFE Tefzel®			
Electrical				
Battery	5000 9000 mAh			
Max. Temperature/Pressure Rating - Standard and Integral Sensor Non-Shock				
PVC	180 psi @ 68°F	40 psi @ 140°F	12.5 bar @ 20°C	2.7 bar @ 60°C
PP	180 psi @ 68°F	40 psi @ 190°F	12.5 bar @ 20°C	2.7 bar @ 88°C
PVDF	200 psi @ 68°F	40 psi @ 240°F	14 bar @ 20°C	2.7 bar @ 115°C
Operating Temperature				
PVC	32°F to 140°F	0°C to 60°C		
PP	-4°F to 190°F	-20°C to 88°C		
PVDF	-40°F to 240°F	-40°C to 115°C		
Standards and Approvals				
CE FCC RoHS Compliant				

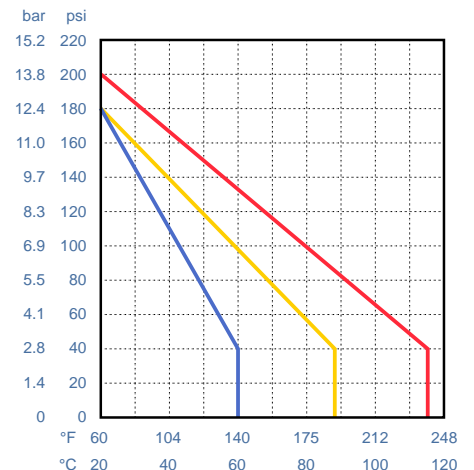
See Temperature and Pressure Graphs for more information

Optional*

Temperature | Pressure Graphs | Non-Shock

Note: The Pressure/Temperature graphs are specifically for the Truflo® Flow Sensors. During system design the specifications of all components must be considered.

■ = PVC ■ = PP ■ = PVDF



Model Selection

TKB - PF - S

Body Material	Pipe Size	Seals
P - PVC PP - PP PF - PVDF	S - ½"- 4" Pipe L - 6"- 24" Pipe	FKM (Std) Suffix 'E' For EPDM