## TK3 SERIES MULTI-FUNCTION 316 SS FLOW METER



RoHS

Compliant

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Truflo provides excellence in flow meter products for many industries. This high level of performance results from decades of experience enhancing paddle wheel flow measurement technologies. The results are flow meter products recognized worldwide for their quality, performance, versatility and ease-ofuse. Our flow meters deliver impressive performance – even under the toughest conditions.







Available with Sanitary Ends



Zirconium Ceramic Rotor Pin & Bearings



**CONNECTION : NPT / DIN / Sanitary** 

SEALS : FPM / EPDM / FFKM

316SS

**SERIES : TK3** 

#### **FEATURES**

- High Accuracy / ±1.0% of Full Scale
- Unit of Flow Measurement is Selectable LPM / GPM / KL
- Corrosion Resistant Materials 316 SS / TEFZEL / CERAMIC
- Low Cost Visual Indication
- Easy Installation / No Mounting Kits
- High Flow Range -0.3m/s - 10m/s / 0.98 ft/s - 32.8 ft/s
- NPT / G / Sanitary / End Connections
- Compact Design
- Large Bright LED Digital Display
- Horizontal / Vertical Installation
- Size Range ¼ − 2"
- Low Pressure Drop
- (4-20mA) / (Pulse) / Output Signal
- NEMA 4X Enclosure
- Suitable for Corrosive Environments
- Password Protected Security

## SPECIFICATIONS

Fluid	Water or Liquid Chemicals / Viscosity Range: 0.5-20 centistokes	
Accuracy	> $\pm$ 1.0% of F.S. @ 20°C (68°F) / Repeatability $\pm$ 0.5% of Full Scale	
Max Flow Velocity	10 m/s max / 32.8 ft/s max	
Min Flow	0.3 m/s min / 0.98 ft/s min	
Operating Pressure	150 psi (Non-Shock)	
Turndown	33:1	
Response time	Real Time	
Material of Construction	Paddle: Tefzel® Body: 316 SS   Shaft: Zirconium Ceramic Seals: FPM / EPDM (Opt)	
Operating Temperature	316 SST< 120°C / 248°F	
Electronics	+ 50°C (122°F)	
Protection Class	IP66 / NEMA 4X	
Approval	CE / Rohs	
Current Draw	60mA Max	
Battery	10-30VDC	

\*Consult Factory for Details

# TK3 SERIES MULTI-FUNCTION 316 SS FLOW METER

# truflo<sup>®</sup>

## PARTS TK3 SERIES

- 1. Flow Controller
- 2. Lead Wire
- 3. Hall Sensor
- 4. Paddle Wheel
- 5. Body 316 SS

## **PRODUCT SELECTION**

#### **EXAMPLE**

TK3P	- 25	E	GT	T
(1)	(2)	(3)	(4)	(5)

#### 1. SERIES

- TK3B = Battery Operated Paddle Wheel Flow Meter - Flow Rate + Flow Total
- TK3S = Paddle Wheel Flow Meter with Relay Output + Flow Rate Pulse Output
- TK3P = Paddle Wheel Flow Meter & Flow Totalizer + Flow Rate Pulse + Flow Total Pulse
- TK3M = Paddle Wheel Flow Meter with Transmitter 4-20mA + Flow Rate Pulse / Flow Total Pulse
- TK3W = Paddle Wheel Flow Meter / 4-20mA or Pulse

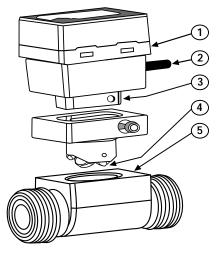
2. PIPE SIZE	3. Seals*
08 / (¼") / 10 / (3/8")	E - EPDM
15 / (½") / 20 / (¾")	F - FFKM
25 / (1") / 40 / (1 ½")	
50 / (2")	* FPM is Standard

4. End Connections SE - Sanitary Ends GT - G Thread T - NPT (Standard)

#### 5. COMMUNICATION OR TRANSMITTER RS = TKP Series with RS-485 MODBUS Selectable

#### 6. CONNECTION METHOD

M = M12 2(M) Connection (Option) \* No Electrical Connection for TK3B Series



## **TYPICAL APPLICATION**

