

Liquid Turbine Flow Meter

KWITF Series



Description

The Ketwells, KWITF Series liquid turbine flow meter are specially designed for liquid measurement. It operate according to the turbine principle.

Technical Data

Output: Pulse; 4-20mA
Accuracy: ± 1.0 of Rate; $\pm 0.5\%$ of Rate
Ambient Temp.: $-20 \dots +60$ °C
Fluid Temp.: $-20 \dots +150$ °C
Body Material: SS304; SS316
Rotor Material: 2Cr13; CD4MCu
Bearing Material: Tungsten Carbide
Communication: RS485
Protection: IP65
Explosion Proof: Exd II C T6 Gb
Power Supply: 24V DC
Battery; 220V AC (Only for G type)

Applications

- Petrochemical/Energy Industry
- Hydraulic/Lubrication System
- Test Systems
- Distilled Water
- Clean Water
- Food and Beverage Industry

Features

- Light Oil & Purity Liquid Measurement
- Modbus RS485 Communication
- Backlight Option
- Working Max Temp.: $+150^{\circ}\text{C}$
- Unit of GPM, Kg/h, ft^3/h , LPM, BPD, m^3/h , Ton/h
- Totalizer Reset
- High/Low Alarm



N1 Type



N2 Type



E Type

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Model Selection

Model					
Series	KWITF				
Diameter		XXX	Stand for Diameter 004: DN4; 006: DN6 100: DN100; 200: DN200		
Converter Type			N1 24V DC; Pulse Output; No Display N2 24V DC; Pulse Output; No Display; Ex A 24V DC; 4-20mA Output; No Display; Ex E1 Battery Power Supply; No Output; Ex; Digital Display E2 24V DC; 2/3 wires 4-20mA/ Pulse Output; Ex; Digital Display E4 24V DC; 0-20mA Output; Ex; Digital Display G 220V AC; 4-20mA Output; Ex; Digital Display FE FE: Fluidwell E Series Converter FF FF: Fluidwell F Series Converter Notice: 1) Modbus RS485 is Optional for E2, E4, and G Type 2) Dual Power (24V DC+ Battery) is Optional for E2, E4, G Type		
Accuracy			10 ±1.0% of Rate 05 ±0.5% of Rate		
Flow Range			S Standard Range E Extended Range		
Body Material			S4 SS304 S6 SS316		
Rotor Material			Cr 2Cr13 CD CD4MCu		
Explosion Proof			CT Exd II C T6 Gb NA No Explosion Proof		
Connection			THM Male Thread; Available from DN4...DN50 THF Female Thread; Available from DN4...DN50 WAF Wafer Connection TRC DN10- DN 100 (Sanitary Type) DXX D16: DIN PN16 Flange; D25: DIN PN25 Flange... AXX A15: ANSI 150# Flange; A30: ANSI 300# Flange... JXX J10: JIS 10K Flange; J20: JIS 20K Flange...		
Temperature			T1 -20... +80 °C T2 -20... +120 °C T3 -20... +150 °C		

Flow Range

Diameter (mm)	Standard Range (m³/h)	Extended Range (m³/h)	Max. Pressure Loss (kPa)
4	0.04-0.25	0.04-0.4	120
6	0.1-0.6	0.06-0.6	80
10	0.2-1.2	0.15-1.5	50
15	0.6-3.6	0.5-5	35
20	0.8-8	0.45-9	35
25	1-10	0.5-10	35
32	1.5-15	0.8-15	35
40	2-20	1-20	35
50	4-40	2-40	35
65	7-70	5-70	25
80	10-100	7-100	25
100	20-200	10-200	25
125	25-250	13-250	25
150	30-300	15-300	25
200	80-800	40-800	25