



KPP-1000 Series

Turbine Flow meter Reliable
Measurement and Cost-effective

■ FEATURE

- Simple in structure with no pressure loss.
- Relatively low cost
- DC / AC power type or battery type is selectively available
- Wide range of application to fluids at low temperature to high temperature
- Made of synthetic resin material excellent in chemical resistance, weatherproof
- Can be freely installed horizontally and vertically
- Capable of measuring fluids with low flow rate and low flow speed
- Easy in installation, removal, and maintenance
- Has high accuracy and excellent reproducibility.

■ APPLICATIONS

- ▶ General industry
 - Utility Use : Auxiliary and supply lines used in energy distribution
- ▶ Chemical and Other Process industry
 - Condensate and Coolant
 - Batching and mixing in the reactor
- ▶ Machinery and Equipment (OEM industry)
 - Coolant, Coolant, Lubricant, Air supply
- ▶ Food and Beverage
 - Precise mixing, dosing and dispensing (Batching)
 - Beverages (soft drinks, beer, wine, fruit juice, etc.)
- ▶ Paper and Pulp industries

■ KPP-1000 General Specifications

Size	10A (3/8") - 50A (2")
Process Connection	Flange type - KS / JIS / ANSI / ASME / DIN Std. Taper Pipe Thread type (PF)
Measured Fluid	Liquid
Flow Ranges	Water - 0.1 m ³ /h ~ 40 m ³ /h
Accuracy	±1.5 % F.S
Fluid Temperature	-10 °C ~ 85 °C
Ambient Temperature	0 °C ~ 40 °C
Max. Pressure	Max. 10 kgf/cm ² .G
Viscosity	Under 30 cSt
Power Supply	AC 220 V / DC 24 V / 3.6 V battery
Display (Option)	3-1/2 LCD (Flow rate), 7 Digit LCD (Integration)
Output	DC 4-20 mA, Pulse

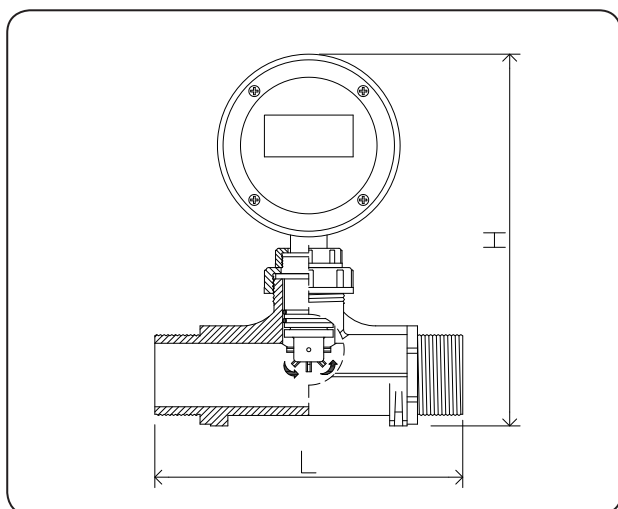
■ MODEL CODE

K P P - 1 0 0 0	-	□	-	□	Specification
		S			Open Collector Pulse without Indicator
		F			AD 110/220V or DC 24V (4-Wire) type with Indicator
		MF			3.6 V battery type with Indicator
				F	Connection - Flange Type
				T	Connection - Screw Type (Male, Female)

■ CAUTION

This flowmeter should be checked for foreign objects before installation. If there is foreign material, you must install Strainer in order to rotate Turbine smoothly. The straight pipe sections maintain the front end 10D and the rear end 5D so that fluid can flow stably. Also, avoid excessive vibrations or shocks as this may deteriorate the life or performance of the instrument.

STRUCTURAL DRAWING



STANDARD MATERIAL

No.	Description	Material
1	Meter body	POLYPROPYLENE, PVDF
2	Indicator	ABS
3	Sensor body	PVDF
4	Paddle assembly	PVDF
5	Axle	CERAMICS
6	Union nut	PVC
7	O-rings	FPM, EPDM

FLOW RANGE & DIMENSIONS

Size		L (mm)	H (mm)	Flow ranges	
				Water(m ³ /h) ≤80 °C	압력 (kgf/cm ² .G)
10A	3/8B	121	215	0.1 - 1.8	10
15A	1/2B	130	215	0.2 - 4	
20A	3/4B	142	220	0.3 - 6	
25A	1B	141	220	0.5 - 12	8
40A	1-1/2B	175	230	1.5 - 24	
50A	2B	175	245	2 - 40	

INSTALLATION PRECAUTIONS

