

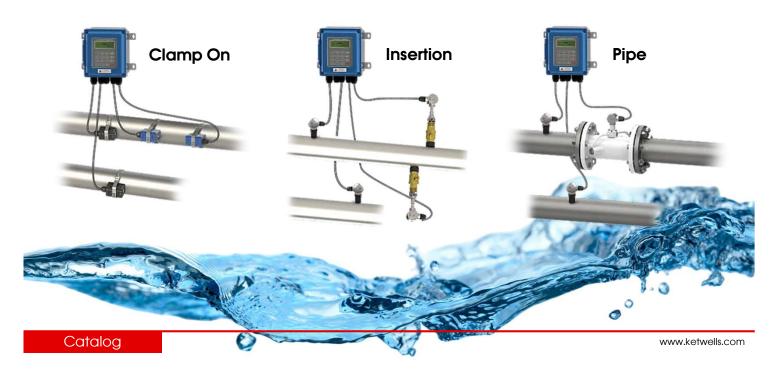
ULTRASONIC FLOW METER

KWF-2000B SERIES

KWF-2000B Series flow meter can be virtually applied to a wide range of long-term online measurement. Convertor protection class IP67, transducer protection class IP68. A variety of liquid applications can be accommodated ultra-pure liquids, portable water, chemicals, raw sewage, reclaimed water, cooling water, river water, plant, etc.

- Measurement Accuracy 1%.
- Convertor Protection Class IP67
- Transducer Protection Class IP68
- Measurement Range DN15mm to DN6000mm
- Installation Wall, DIN-rail, Explosion-Proof Box
- Connect Temperature Transducer for
- Heat/Energy Measurement





Ketwells

Measuring Diagrams

Clamp On







Heat Measurement

Features

- No need to cut off water, no pressure loss.
- Connect clamp on temperature transducer, can finish the heat/energy measurement.
- Easy for installation.

Insertion



Flow Measurement

Heat Measurement

Features

- No need to cut off water, no pressure loss.
- Stable and reliable for long term operation.
- Connect Pt100 temperature transducer can finish the heat/energy measurement.





Features

- Need to cut off pipe.
- With high accuracy and stability.
- Connect Pt100 temperature transducer can finish the heat/energy measurement.

Flow Measurement Heat Measurement

Catalog



Flow Transducers

Please choose the suitable transducer, according to different liquid pipe condition and installation method (Please refer to the measuring diagram).

Type	Picture	Spec.	Model	Measuring Range	Temperature	Dimension
Clamp on		Small	TS-2	DN15DN100	-3090 °C	45 x 25 x 32 mm
		Medium	TM-1	DN50DN700	-3090 °C	64 x 39 x 44 mm
		Large	TL-1	DN300DN6000	-3090 °C	97 x 54 x 53 mm
High Temp. Clamp On		Small	TS-2-HT	DN15DN100	-30160 °C	45 x 25 x 32 mm
	3 30	Medium	TM-1-HT	DN50DN700	-30160 °C	64 x 39 x 44 mm
		Large	TL-1-HT	DN300DN6000	-30160 °C	97 x 54 x 53 mm
Insertion		Standard	TC-1	DN80DN6000	-30160 °C	190 x 80 x 55 mm
	a de la companya della companya della companya de la companya della companya dell	Extended	TC-2	DN80DN6000	-30160 °C	335 x 80 x 55 mm
Pipe 	- O-	π Туре	G1	DN15DN32	-30160 °C	SUS304 Thread Connection
	2					*** Please refer to detailed pipe dimensions ***
	15	Standard	G2	DN40DN1000	-30160 °C	Carbon Steel Thread Connection
	0					*** Please refer to detailed pipe dimensions ***

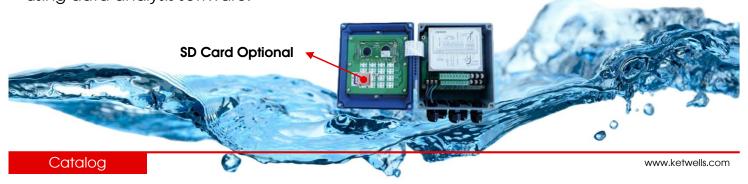
Temperature Transducers

Connect the temperature transducer can finish the heat/energy measurement.

Type / Spec.			Measuring Range	Temperature	Accuracy	
Clamp On Pt100			≥ DN50	-40160 °C	No	100 °C ± 0.8 °C
Insertion Pt100		TCT-1	≥ DN50	-40160 °C	Yes	100 °C ± 0.8 °C
Insertion Pt100 with Pressure	-446	PCT-1	≥ DN50	-40160 °C	No	100 °C ± 0.8 °C
Insertion Pt100 Small Size Pipe Diarneter	70	SCT-1	< DN50	-40160 °C	Yes	100 °C ± 0.8 °C

SD Card Memory

Convenience for long-term and large data storage. Available to do the data processing like tabulation, statistical data analysis, printing reports and production flow curve by using data analysis software.





Specifications

Items	Performance & Parameter					
Convertor	Principle Transit-time ultrasonic flowmeter.					
	Accuracy	±1%				
	Display	2x20 character LCD with backlight, support the language of Chinese, English, Italy, Turkish.				
	Signal Output	1way 420mA output, electric resistance 01K, accuracy 0.1%				
		1 way OCT pulse output (Pulse width-1000ms, default is 200ms).				
		1 way Relay output.				
	Signal Input	3 way 420mA input, accuracy 0.1%, acquisition signal such as temperature, press and liquid level.				
		Connect the temperature transducer Pt100, can finish the heat/energy measurement.				
	Data Interface	Insulate Rs485 serial interface, upgrade the flowmeter software by computer, support the MODBUS.				
Special Cable	Twisted-pair cable,	e, generally, the length under 50 meters, select the RS485, transmission distance can over 1000m.				
Pipe Installation Condition	Pipe Material	Steel, stainless steel, cast iron, copper, cement pipe, PVC, aluminum, glass steel product, liner is allowed				
	Pipe Diameter	256000mm				
	Straight Pipe	Transducer installation should be satisfied: upstream 10D, downstream 5D, 30D from the pump.				
Measuring Medium	Type of Liquid	Single liquid can transmit sound wave :				
		Such as water (hot water, chilled water, city water, sea water, waste water, etc).				
		Sewage with small particle con tent, oil (curde oil, lubricating oil, diesel oil, fuel oil, etc).				
		Chemicals (alcohol, etc).				
		Plant effluent, beverage.				
		Ultra-pure liquids, etc.				
	Temperature	- 30160 °C				
	Turbidity	No more than 10000 ppm and less bubble				
	Flow Rate	0±7m/s				
Working Environment	Temperature	Convertor: - 2060 °C; Flow Transducer: - 30160 °C				
	Humidity	Convertor: 85 %RH; Flow Transducer: can measure under water, water depth ≤ 2m (Tansducer sealed glue)				
Power Supply	DC836V or AC85264V (Optional)					
Power Consumption	1.5W					
Dimension	132 x 150 x 85mm (Convertor)					

Ordering Code

Series	KWF-2000B								
Flow Transducers	- TS-2	TS-2 Clamp on, Small							
		- TM-1	Clamp on	, Medium					
		- TL-1	Clamp on	, Large					
	High Temp. Clamp On, Small								
	High Temp. Clamp On, Medium								
		- TL-1-HT	High Temp. Clamp On, Large						
		- TC-1	Insertion, Standard						
		- TC-2	Insertion, Extended						
		- G1	Pipe, π Type						
		- G2	Pipe, Standard						
Diameter - XX DN				XX DN (mm)					
Pipe material				- 0 Carbon Steel					
			- 1 Stainless Steel						
				- 2 Cast Iron					
				- 3 Glass Fiber Reinforced					
				- 4	PVC				
				- 5	Cement				
				-6 Other					
Pressure - 2 Mpa (N				Mpa (Mega					
Cable Length - XX m					m (Meter)				
- P					- CT-1	Clamp On Pt100			
- TCT-1 - PCT-1						Insertion Pt100			
						Insertion Pt100 with Pressure			
- SCI-1					Insertion Pt100 Small Size Pipe Diameter				
SD Card Memory								- 0	Yes
								- 1	No

- 200

KWF-2000B

- TM-1

- 0

- 2

-10

- CT-1

- 0

Example Order Code :