

Ultrasonic Transmitter Heat & Flow

● Feature

- ◆ Transmitter Wall-mount , non-wetted sensor type installed
- ◆ Easy installation and maintenance
- ◆ Heat / flow display and control functions
- ◆ OCT & Relay outputs available as a flow switch and sync output
- ◆ Units can be automatically converted
- ◆ Measuring signal strength and quality installation tips
- ◆ 2×20 character LCD with backlight Rate 5-bit / Total 7-bit
- ◆ Flow Unit: m3 , liter , Us Gallon , Million Gallon , Cubic feet
- ◆ Heat Unit: Kwh , GJ , Kc , BTU
- ◆ Time Unit: sec , min , hour , day
- ◆ Off time / work number automatically records
- ◆ Energy = Volume * ΔT * K Factor
- ◆ ETC Certificate



CYUT-2000W



CYUT-2000WF



CYUT-2000WP






CYUT-2000WT

● Specifications




Convertor	Principle	Transit - time ultrasonic Flow meter
	Accuracy	Flow: ± 0.5% ~ 1% ; Heat: ± 2% ; Repeatability: ± 0.2%
	Operation	16 - key boards operation
	Signal Output	1 × 0/4~ 20mA Active or Passive output, electric resistance 0~ 1K , accuracy 0.1%
		1 × OCT pulse output (Pulse width 6 ~ 1000 ms , default is 200 ms)
		1 × Relay output (WP series no included)
Signal Input	3 × 4 ~ 20mA input, Accuracy. 0.1% , acquisition signal such as Temperature, Pressure , Level	
	Connect the temperature transducer PT100, can finish the heat / energy measurement	
Data interface	Insulate RS485 serial interface, upgrade the flow meter software by computer, support the MODBUS, METER-BUS etc. (Option. SD Card Storage data only for 2000W / WT type)	
Special Cable	Twisted-pair cable (Ultrasonic flowmeter dedicated) Std.10M , generally the length under 50 meters ; Select the RS485 communication , the transmission distance can over 1000m.	
Pipe Condition	Pipe Material	Steel , Stainless steel , Cast iron , Copper , Cement pipe , PVC , Aluminum , Glass steel product , liner is allowed.
	Pipe Diameter	15 ~ 6000mm
	Straight length pipe	Transducer installation , Up-stream 10D, Down-stream 5D, 30D from the pump.

Measuring Medium	Type of Liquid	Water (hot water, chilled water, city water, sea water, waste water, etc.); Sewage with small particle content; Oil (crude oil, lubricating oil, diesel oil, fuel oil, etc.); Chemicals (alcohol, acids, etc.); Plant effluent; Beverage, liquid food; Ultra-pure liquids; Solvents and other liquids	
	Temperature	Standard Transducer: -30 ~ 90°C ; High-temperature transducer: -30 ~ 120°C	
	Turbidity	No more than 5500 ppm and less bubble	
	Flow rate	0.01 ~ ± 16 m/s	
Working Environment	Temperature	Meter : -20 ~ 60°C ; Transducer : -30 ~ 120 °C ;	
	Humidity	Meter : CYUT-2000W (IP66) Other type Below 85% RH (IP65) ; Transducer: IP68	
Power Supply	DC 8 ~ 36 V or AC110 ~ 220 V (CYUT-2000WF Only DC Type)		
Consumption	1.5W		
Dimension Size	CYUT-2000W (Wall Mount) : 170×180×56 mm	CYUT-2000WF (Fixed Mount): 187×151×117 mm	
	CYUT-2000WP (Panel Mount) : Opening size 152×76 mm	CYUT-2000WT (Wall&Track Mount): 150×156×85 mm	



● Clamp-On Flow transducer - Standard

Picture	Model	Pipe Range	Temperature	Dimension
	TS-2	DN15 ~ 65 mm	-30 ~ 90°C	45×25×28mm
	TM-1	DN50 ~ 450 mm	-30 ~ 90°C	64×39×44mm
	TL-1	DN400 ~ 6000mm	-30 ~ 90°C	97×54×53mm

● Clamp-On Flow transducer – High Temperature

Picture	Model	Pipe Range	Temperature	Dimension
	TS-2-HT	DN15 ~ 100mm	-30~120°C	45×25×28mm
	TM-1-HT	DN50 ~ 500mm	-30~120°C	64×39×44mm
	TL-1-HT	DN300 ~ 6000mm	-30~120°C	97×54×53mm

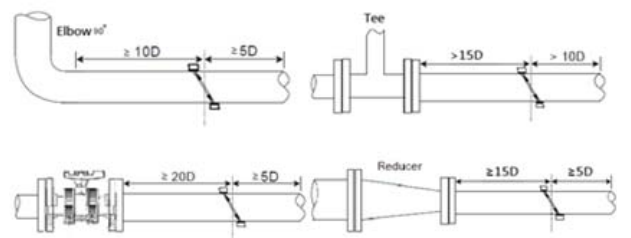
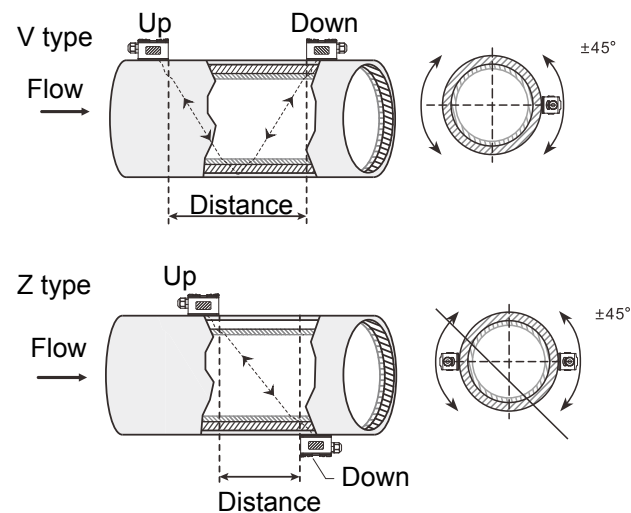
● Ultrasonic couplant

	Long-lasting couplant (Standard) -30°C~+90°C		High-efficiency couplant (Optional) -43°C~+232°C
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● Temperature Sensor – Option order

- Paste the cover type Temperature Sensor (CYPT Series)
 - Insert type cable out Temperature Sensor
 - Terminal box HVAC use Temperature Sensor
- Accuracy : ± 0.1 °C (Contact us business department, please)

● Installation



For Heat Function (CYUT Series)

T2 : Low temp. Supply Line
T1 : High temp. Return Line

** Flow function don't need Temp. sensor