

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 are 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
- ◆ Time Unit: sec , min , hour ,day
- ◆ Off time / work number automatically records
- ◆ Energy = Volume * ΔT * K Factor



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 ~ 60°C ; High-temperature transducer: -30 ~ 160°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 ; Pipe Type : -30 ~ 160 °C
	Humidity	Meter : 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 ~ 60°C	45×25×28mm
	TM-1	DN50 ~ 350 mm	-30 ~ 60°C	64×39×44mm
	TL-1	DN300 ~ 6000mm	-30 ~ 60°C	97×54×53mm

● Pipe Type Sensor (Detail information contact us, please.)

Picture	Model	Pipe Range	Temperature	Material
	TS-P15	DN15 ~ 32mm	-30 ~ 160°C	SUS 304 (Std.)
	TM-P040	DN40 ~ 900mm	-30 ~ 160°C	Std. Carbon Steel / SUS 304

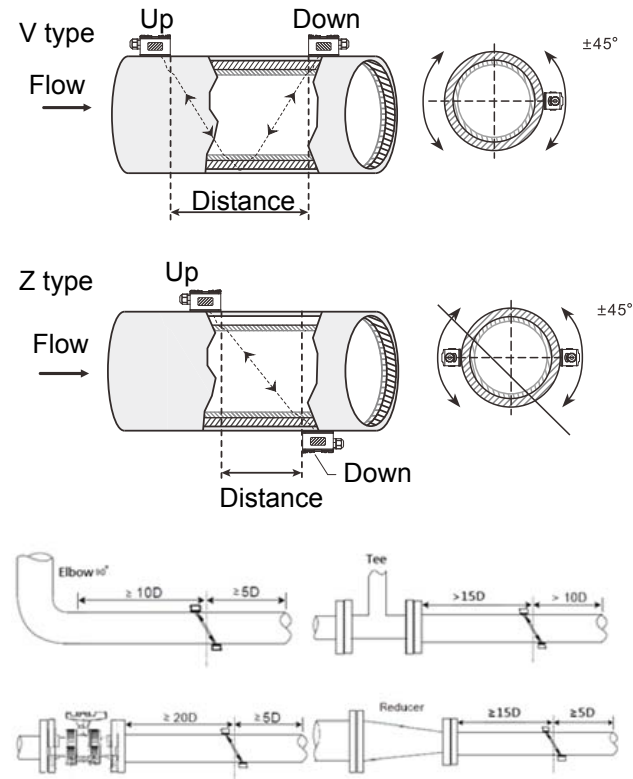
● Clamp-On Flow transducer – High Temperature

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

● Temperature Sensor – Option order

Paste the cover type Temp. Sensor or Insert type Temp. Sensor

● Installation



For Heat Function (CYUT Series)

Supply Line

Return Line

** Flow function don't need Temp. sensor