ACTSONIC

CY WTS Water Technology System

Ultrasonic HEAT & FLOW Transmitter

GENERAL

Heat / Flow Actsonic CYUT-6600 Series

Ultrasonic flowmeter is a state-of-the-art universal transit-time flowmeter incorporating the latest developments in digital processing, with clamp-on transducers for non-invasive liquid measurement. While principally designed for clean liquid applications the instrument is tolerant of liquids with a small quantity of air bubbles or suspended solids common in most industrial applications

CYUT-6600-H / -F

FEATURES & APPLICATIONS

- Transmitter Wall-mount , non-wetted sensor type installed
- Easy installation and maintenance
- Heat / flow display and control functions
- OCT with two outputs are available as a flow switch and sync output
- Units can be automatically converted
- Measuring signal strength and quality installation tips
- Rate 5-bit / Total 8-bit sync display
- 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.

SPECIFICATION

Measuring	Transit time difference
Pipe Size	S1 Type : 15 mm ~ 100 mm M1 Type : 50 mm ~ 1000 mm L1 Type : 300 mm ~ 6000 mm
Pipe Material	Cast Iron, Stainless Steel, Steel, PVC, Copper, Cement pipe, Aluminum, Glass steel product, liner is allowed.
Liner Material	Tar Epoxy, Rubber, Mortar, Polypropylene, Polystryal, Polystyrene, Polyester, Ebonite, Polyethylene, Teflon… etc.
Display Flowrate Totalizer Heat Unit Time Unit	40 character, 2 Line (20*2) lsttice alphanumeric backlit LCD ,Velocity, Date, Time, Signal condition. 5 digit with decimal point 8 digit, Forward, Reverse & Net values. Flow Unit: M3, Liter, US Gallon, Imperial Gallon, Million Gallon, Cubic Feet, US Barrels, Imperial Barrels, Oil Barrel. Kwh,GJ;[Engergy=Volume*(T1-T2)*K factor(Ti)] Second, Minute, Hour, Day.
Flow Velocity	0.01 ~ ± 32 m/s
Measuring Accuracy	Flow: ±0.5% ~ 1% ; Heat: ± 2% ; Repeatability: ± 0.2%

Resolution	0.0001 m/s
Response Time	Less than 1 second
Keypad	4 Key with tactile action
Output	0/4-20 max load 750 ohm (precision 0.1%)
Pulse Output	OCT (min 250 ms) , frequency : 0- 9999 Hz (min&max frequency is adjustable)
Relay Output	SPST, max 4hz (1A) @ 125 VAC
Communication	RS-232 & RS-485
Data Logger	64 data include flowrate, totalizer, time
SD memory(Optional)	Max: 2G Capacity,600 days in storage
Input (Calorimeter calculation BTU function)	0/4-20 mA (PT100, PT500, PT1000)
Power Requirement	AC 90 ~ 260 V 50 / 60HZ
inclose	24VDC use
Power consumption	Less than 1.5 W
Converter install	Wall mounting
Sensor install	Horizontal and Vertical
Enclosure	Coverter: IP65 ; Sensor: IP68
Coverter Temp. RH	-20 ~ +60 ℃; 85 % RH max
Sensor Temp.RH	-30 ~ +60 ℃; 99 % RH max
Weigh	1.3kg

Heat / Ultrasonic Flowmeter

CY wts
Water Technology System

CYUT-6600 series

Heat / Ultra sonic Flowmeter

SENSOR SPECIFICATION

Fluid Temperature:-30～60℃

S1 Type Pipe Size : 15 ~ 100 Mm(1/2" ~ 4")
Dimensions : 200 X 25 X 25mm

M1 Type PIPE SIZE : 50 ~ 1000 mm(2" ~ 40")
Dimensions : 60 x 45 x 45mm

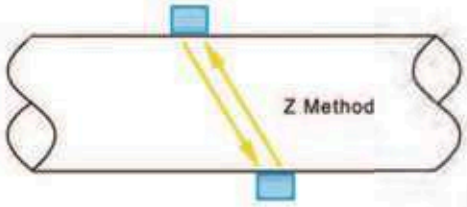
L1 Type PIPE SIZE : 300 ~ 6000 mm(12" ~ 240")
Dimensions : 80 x 70 x 56mm

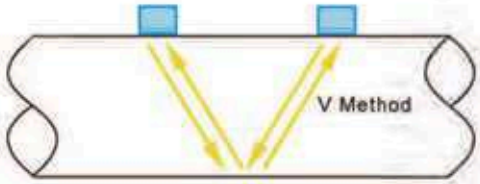
Fluid Temperature:-30～120℃

S1H Type Pipe Size : 15 ~ 100 Mm(1/2" ~ 4")
Dimensions : 90 X 85 X 24mm

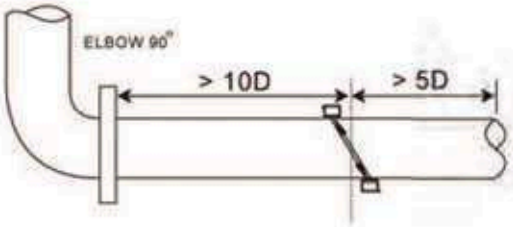
M1H Type PIPE SIZE : 50 ~ 700 mm(2" ~ 28")
Dimensions : 90 x 82 x 29mm

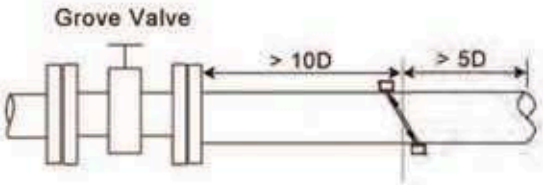
INSTALLATION

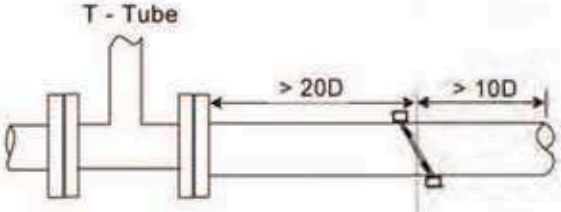


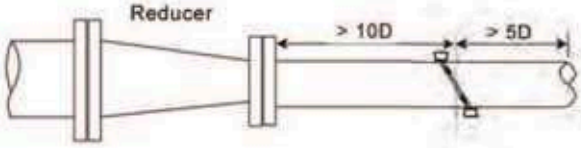


CONDITIONS ON STRAIGHT PIPE









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