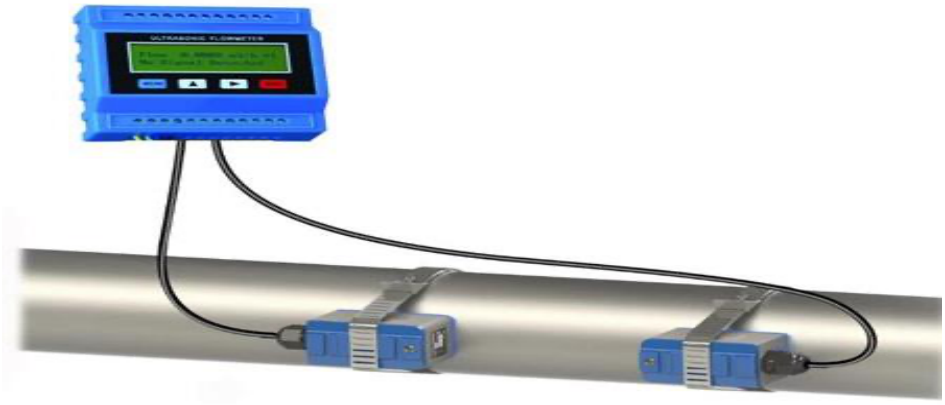
AES - ACUFM Clamp On Ultrasonic Flow Meter

AES- ACUFM



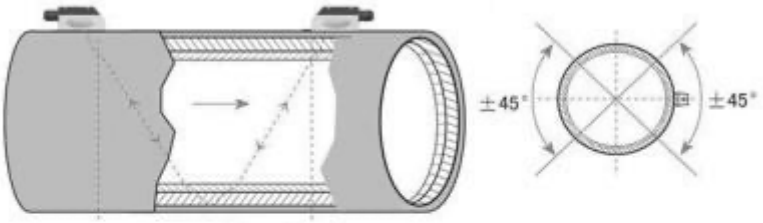
Product Features

*No need to cut off the pipeline, no pressure drop.
*Easy installation process, simply clamp the transducers on the pipe surface.
*High accuracy within ±1.5%.
*Small size and low cost, suitable for usage in large quantity.
*Multiple output of 4-20mA, pulse and relay; RS485 interface, support Modbus protocol.
*Achieve heat measurement by connecting 3-wired heat transducers PT100.

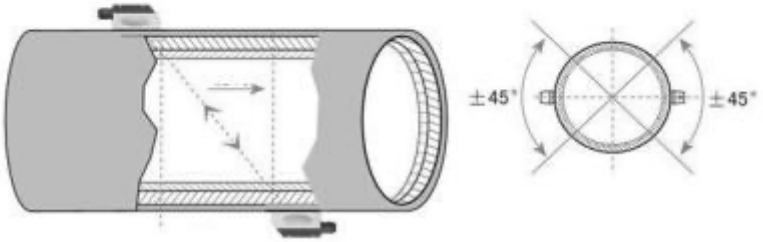
DATA SHEET

Items	Performance & Parameter	
Transmitter	Principle	Transit- time ultrasonic flowmeter
	Accuracy	±1.5%
	Display	2X20 character LCD with backlight, support English and Italian language
	Signal Output	1 way 4~20mA output, electric resistance 0~ 1K, accuracy 0. 1%(optional) 1 way OCT pulse output (Pulse width 6~1000ms, default is 200ms) 1 way Relay output
	Signal Input	3 way 4~20mA 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
Pipe Installation Condition	Pipe Material	Steel, Stainless steel, Cast iron, Copper, Cement pipe, PVC, Aluminium, Glass steel product, liner is allowed
	Pipe Diameter	DN15~6000mm
	Straight Pipe	Transducer installation should be satisfied: upstream10D, downstream 5D
Measuring Medium	Medium	Raw water, clean water, liquids that can transmit sound wave.
	Temperature	-40~90℃, -40~160℃
	Turbidity	No more than 10000ppm and less bubble
	Flowrate	0~±7m/s, Forward and backward measurement
Work environment	Protection grade	Transmitter: IP67; flow sensor: IP68
	temperature	Transmitter: -20~60℃; flow sensor: -30~ 160℃
	Humidity	Transmitter: 85%RH; Flow sensor: can measure under water, water depth^2m (tansducer sealed glue)
Power Supply	DC8~36V or AC85~264V	
Power Consumption	1.5W	

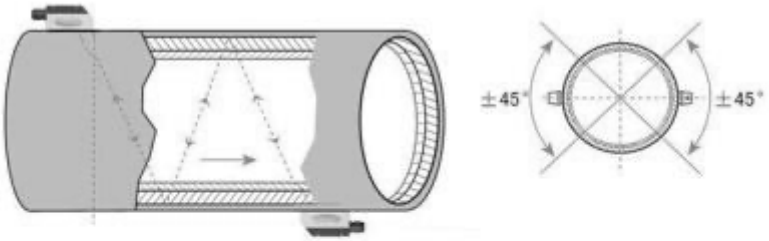
Ultrasonic flowmeter installation



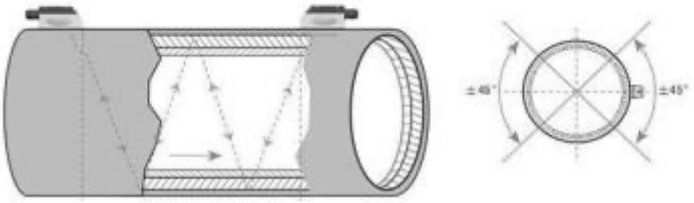
V method



Z method



N method



W method