4600.30/H Portable Ultrasonic Flowmeter

FEATURES

*Portable
Excellent for checking flow throughout the facility

*Simple and Easy to Install
Installs in minutes without shutting down the process and is easy to use

*High Accuracy
Accuracy ~ +/-2%%

*Pipe Sizes
Between ¾" to 220" dependent on the transducer selected

*High Reliability
Low voltage, multi-pulse radiating electronic circuitry to improve accuracy and reliability

*EMF protection
Double balanced signal differential transmission receiving circuitry,

PRODUCT INTRODUCTION

The **captor 4600.30/H Ultrasonic Flowmeter** is designed to measure a wide variety of liquids and be installed in minutes. Just clamp the transducers onto the outside of the pipe and you are ready to go. The unit is both rugged and accurate to around +/-2%.

The **captor 4600.30/H** is also portable and flexible, capable of measuring all types of liquids and therefore can be used virtually anywhere and in many applications such as water conservation, metallurgy, petrol-chemical, machine cooling and is particularly useful for diagnosing even the most complicated flow issues.

OPTIONS

Transducers and mounting hardware available for various size and types of piping

Type	Picture	Specification	Model	Pipe Size	Temperature	Dimension
Standard Clamp On Type		Small	TS-2	¾" to 4"	-30~90℃	45×25×32mm
		Medium	TM-1	2" to 24"	-30~90℃	64×39×44mm
		Large	TL-1	12" to 220"	-30~90℃	97×54×53mm
High Temperature Clamp On Type		Small	TS-2-HT	¾" to 4"	-30~160℃	45×25×32mm
		Medium	TM-1-HT	2" to 24"	-30~160℃	64×39×44mm
		Large	TL-1-HT	12" to 220"	-30~160℃	97×54×53mm
Insertion Type		Standard	TC-1	3" to 220"	-30~160℃	190×80×55mm
		Extra Long	TC-2	3" to 220"	-30~160℃	335×80×55mm

Type		Performance, specification
	Principle	Ultrasonic transit-time principle, Four-byte IEEE754 floating-point arithmetic
	Accuracy	±2% Of reading between .1 and 30 ft/sec.
	Display	LCD display
	Serial	Isolated RS485 interface, optional Modbus support
Piping	material	Stainless steel, cast iron, copper, PVC, and aluminum (also supports lined pipes)
	Diameter	¾" to 220"
	Installation	Upstream 10D, downstream 5D, 30D from the pump outlet
Medium	Fluid	Water, sea water, acid, beer, alcohol, oil or any liquid where sound speed is known
	Temp.	-30~160 deg. C
	Turbidity	10000ppm
	Velocity	Up to 10 m/s
Operating Environment	Temp	Meter: -20~60 deg. C; Transducer: -30~160 deg. C
	Humidity	Meter:85%RH; protection grade: IP68; Water Depth<2m
Power Supply		DC8-36V or AC85-264V
Power		1.5W Maximum power consumption