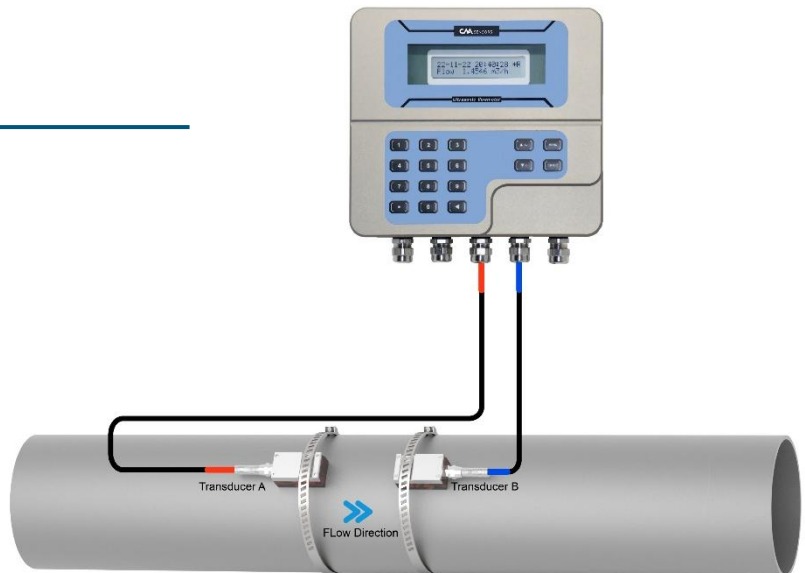


Ultrasonic Flow Meter

For industrial water, sea water, and other electrically conductive liquids

Key Features

- Pipe Size: DN25 (1") to DN5000 (200")
- Flow Range:
 - 0.01m/s to 12m/s
 - 0.03 ft/s to 40ft/s
- Accuracy: $\pm 0.5\%$
- Two outputs as standard:
 - Digital - Modbus and
 - Analog - 4-20mA
- Power Supply: 24vDC
- Measure: Real-time flow, Accumulated flow, Flow velocity and Pipe Temperature
- IP65 rating



About

CAA Sensor's ultrasonic flow meter is specially designed for medium to large pipe diameters. The flow meter can be installed without penetrating the pipework or interrupting the flow or process.

The ultrasonic flow meter sends multiple signals per second which provides accurate flow rate measurements in full pipes. When the ultrasonic signal is transmitted and received through flowing liquid, there will be different upstream and downstream values, which can be used to calculate flow and velocity.

With no moving parts and no pressure loss the flow meter provides long lasting performance. These flow meters are incredibly durable and made for most industrial environments.

Applications

- Manufacturing and industrial use
- Industrial and domestic water, sea water heating and cooling water, diesel oil, alcohol
- Permanent or temporary measurement
- Pipe materials: PVC, Stainless Steel, Carbon Steel, Copper
- Min flow velocity of 0.1m/s (0.328 ft/s)



More Info

Specifications

Medium		Output	
Liquid Medium	<ul style="list-style-type: none"> Industrial and domestic water Sea water Heating and cooling water Diesel oil Alcohol Other liquids available on request 	Outputs	4-20 mA Modbus RTU (RS485)
		Alarm	OCT upper and lower limit alarm output, pulse output, relay
		Working Environment	
		Ambient Temperature	
		• Display	-40°C to +60°C (-40°F to +122°F)
		• Transducers	-40°C to +120°C (-40°F to +248°F)
Measurement Range		Other	
Measurement Principal	Ultrasonic	Pipe Diameters	DN25 -DN5000 1" to 200"
Flow Range	0.01m/s to 12m/s 0.03 ft/s to 40ft/s	Pipe Materials	Stainless steel, carbon steel, copper, plastic
Min flow velocity	0.1m/s (0.328 ft/s)	Mechanical Connection	Clamp-on
Liquid Temperature	-40°C to +120°C -40°F to +248°F	IP Rating	
Accuracy		• Display	IP65
Measurement Accuracy	±0.5% of measured value	• Clamp-on Transducers	IP68
Repeatability	0.80%	Casing - Display	Die-cast aluminium machined enclosure
Linearity	±0.5%	Weight	
Power Supply		• Display	2.9kg (6.4 lb)
Power Requirement	24VDC@3W	• Clamp-on Transducers	1.2kg (2.64 lb)
Display and Data Logging		Cable Length	10m (33 ft) (contact us for longer cables)
Display	2 line (20×2) lattice alphanumeric, backlit LCD	Warranty	12 months
Data Logging	2G SD card data logging, max. 512 days data		

How to Order

Find a Distributor: www.caasensors/distributors

