

QFM407

Ultrasonic Flowmeter

Overview

QFM407 flowmeter can be virtually applied to a wide range of in long-term online measurement. convertor protection class IP67 , transducer protection class IP68 . A Variety of liquid applications can be accommodated: ultra-pure liquids , portable water, chemicals , raw sewage , reclaimed water, cooling water, river water, plant effluent. etc



Features

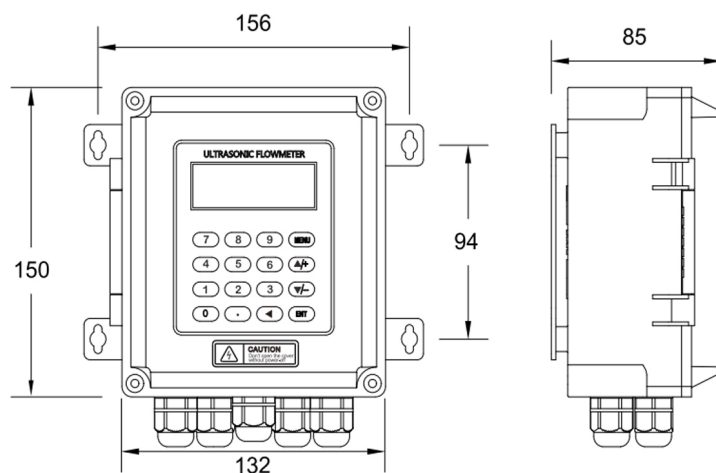
- Measurement accuracy 1 % .
- Convertor protection class IPP67 , transducer protection class IP68 .
- Wide measurement range , pipe size from DNI 5mm tO DN6000mm
- Three types installation method: wall mounted DIN-rail mounted explosion-proof box mounted.
- Connect the temperature transducer can finish the heat/energy measurement.

Performance Parameter

Items	Performance & Parameter	
Convertor	Principle	Transit-time ultrasonic flowmeter
	Accuracy	±1%
	Display	2 × 20 character LCD With backlight , support the language of chinese , English , Italy, Turkish
	SignalOutput	1 way 4~20mA output, electric resistance 0~1K, accuracy0.1%
		1 way OCT pulse output (Pulse width 6~1000ms, default is 200ms)
	SignalInput	1 way Relay output
Special Cable	DataInterface	3 way 4~20mA input, accuracy 0.1%, acquisition signal such as temperature, press and liquid
		Connect the temperature transducer Pt100, can finish the heat/energy measurement
Pipe Installation Condition	Pipe Material	Insulate Rs485 serial interface, upgrade the flowmeter software by computer, support the M
	Pipe Diameter	Twisted-pair cable, generally, the length under 50 meters; Select the RS485, transmission distance can over
	Straight Pipe	Pipe Material Steel, Stainless steel, Cast iron, Copper, Cement pipe, PVC, Aluminum, Glass steel product, li
Measuring Medium	Type of Liquid	Pipe Diameter 25~6000mm
	Temperature	Straight Pipe Transducer installation should be satisfied : upstream10D , downstream 5D , 30D from the p
	Turbidity	Single liquid can transmit sound wave, such as 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, etc.); Plant effluent; Beverage; Ultra-pure liquids, etc.
	Flowrate	Temperature "-30~160°C
		Turbidity No more than 10000ppm and less bubble
		Flowrate 0~±7m/s

Working Environment	Temperature	Converter: -20~60°C; Flow Transducer: -30~160°C
	Humidity	Converter: 85%RH; Flow Transducer: can measure under water,water depth≤2m (tansduc
Power Supply	Dc8 ~ 36v or Ac85 ~ 264v (optional)	
Power consumption	1.5W	
Dimension	132 * 150 * 85 mm(converter)	

Dimensions



Ordering Guide

QFM407	Ultrasonic Flow Meter	
1.6Mpa	Code	Pressure
	(0-X) Mpa	X (Actual required range)
5m	Code	Cable Length
	(0-X) m	X (Actual required range length)
A	Code	Installation Type
	A	External clamp type
	B	Pipe segment type
	C	Plug-in type
D1	Code	Range
	D1	DN25 ~ DN100(Temperature:- 30 ~ 90°C,Dimension:45×25×32mm)
	D2	DN50 ~ DN700(Temperature:- 30 ~ 90°C,Dimension:64 ×39×44mm)
	D3	DN300 ~ DN6000(Temperature:- 30 ~ 90°C,Dimension:97 ×54×53mm)
	D4	DN25 ~ DN100(Temperature:- 30 ~ 160°C,Dimension:45×25×32mm)
	D5	DN50 ~ DN700(Temperature:- 30 ~ 160°C,Dimension:64 ×39×44mm)
	D6	DN300 ~ DN6000(Temperature:- 30 ~ 160°C,Dimension:97 ×54×53mm)
1	Code	Pipe Material
	0	Carbon steel
	1	Stainless steel
	2	Cast Iron
	3	Glass Fiber Reinforced
	4	PVC
	5	Cement
	6	Others