

ULTRASONIC FLOW METER

DS116 SERIES



DESCRIPTION

Wall-mounted ultrasonic flow meter is a state-of-the-art universal transit-time flow meter designed using FPGA chip and low-voltage broadband pulse transmission.

APPLICATIONS

- Ultra-pure liquids
- Potable water
- Chemicals
- Raw sewage
- Reclaimed water
- Cooling water
- River water
- Plant effluent

TECHNICAL DATA

Flow Range	±0.03ft/s- ±20ft/s (±0.01 m/s- ±6 m/s)
Accuracy	±1% of measured value
Pipe Size	Clamp-on: (25mm- 1200mm)
Pipe material	Carbon steel, stainless steel, PVC
Output	OCT Pulse output: 0- 5000Hz. Analog output: 4- 20mA, max load 750Ω
Communication Interface	RS485; Modbus
Power Supply	10-36V DC/ 1A
Keypad	16(4x4)key with tactile action
Display	20x2 lattice alphanumeric, back lit LCD
Temperature	Transmitter: 14°F...122°F (+10°C...+50°C) Transducer: 32°F...176°F (-10°C...+80°C)
Humidity	Up to 99% RH, non- condensing
Protection	Transmitter: PC/ ABS, IP65
	Transducer: Encapsulated design, IP68
Transducer cable	Standard cable length:30ft(9m)
Weight	Transmitter: approximately 0.7kg Transducer: approximately 0.4kg (One set weight is 7kg after package)

FEATURES

- The transmitter's protection IP65, and the sensor's protection IP68
- Positive and negative flow measurement, cumulative flow
- 50000 hours test without trouble
- Traffic statistics by period
- Keyboard key life is more than 200,000 times
- RS485 communication interface, 4-20mA current signal, pulse output, MODBUS protocol



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