RusAutomation

XSON®

Ultrasonic flow meter

Committed to process automation solutions

Datasheet

XSON-SUP-1158J

Introduction

XSON-SUP-1158J ultrasonic flow meter uses advance circuit design,coupled with excellent hardware designed in English and can be switched surfaces.It is easy to operate and with stable performance. This wall mounted ultrasonic flow meter with clamp on sensor is used in testing equipment filter elements for water purifier. It could be also installed in some residential areas and commonly used for testing water supply and monitoring.With functions like ARM,FPGA chip,low voltage and wide pulse transmission technology design can this ultrasonic flow meter reach a high precision and produce a reliable performance.

Feature

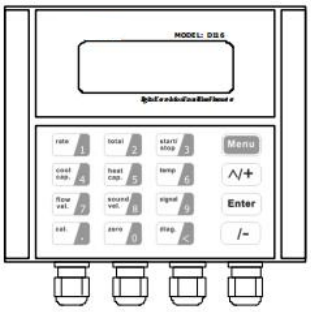
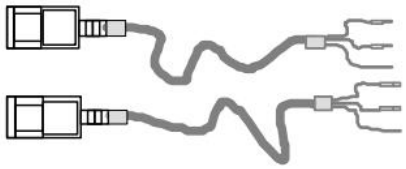
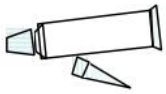
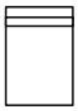
- Without cutting pipes
- Real-time measurement
- Easy operation
- Various piping material available: Carbon steel pipe, stainless steel pipe, PVC pipe
- Wide measuring range: DN25~DN1200
- ARM,FPGA chip and wide pulse transmission technology design
- Wide voltage power supply: 10-36V
- RS485 Communication intelligent remote
- Ingress protection: IP68
- Standard 9m anti-interference shielding line and fully closed design
- Piping material: limited to external clamps,single material;No: lining,PMMA, cement pipe, water scale
- Medium temperature: 0~80℃

Parameter

Performance specifications	
Flow range	0.03 ~ 16 ft/s (0.01 ~ 5.0 m/s).
Accuracy	± 1.0 %.
Pipe size	Clamp-on: 1” ~ 48” (25mm ~ 1200mm).
Fluid	Water
Function specifications	

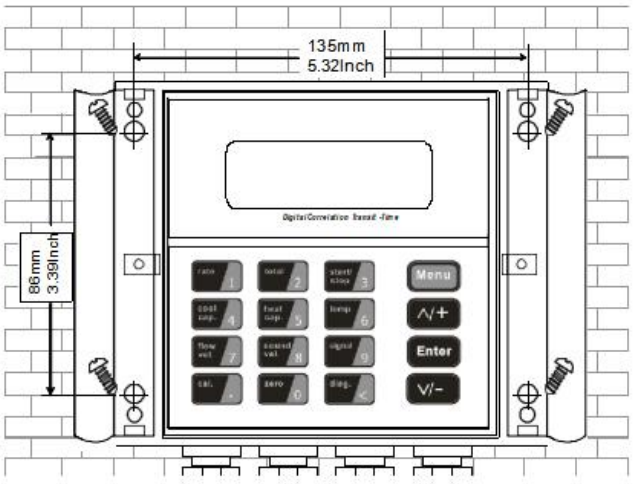
Outputs	OCT Pulse output: 0-5000Hz. Analog output : 4 ~ 20mA, max load 750Ω.
Communication interface	RS485 MODBUS.
Power supply	10 ~ 36VDC/1A.
Keypad	16 (4×4) key with tactile action.
Display	20×2 lattice alphanumeric, back lit LCD.
Temperature	Transmitter: 14 °F to 122 °F (–10℃ ~ 50℃); Transducer: 32 °F to 176 °F (0℃ ~ 80℃).
Temperature	Common 0~80℃(80~150℃ high temperature optional)
Humidity	Up to 99% RH, non-condensing.
Physical specifications	
Transmitter	PC/ABS, IP65.
Transducer	Encapsulated design, IP68.
Transducer cable	Standard cable length: 30 ft (9m).
Weight	Transmitter: approximately 0.7kg Transducer: approximately 0.4kg

Product overview

Transmitter	Transducers
	
Accessories	**Documents**
Pipe Straps  Coupling compound  Install accessory	 1. Instruction Manual 2. Packing List 3. Position drawing

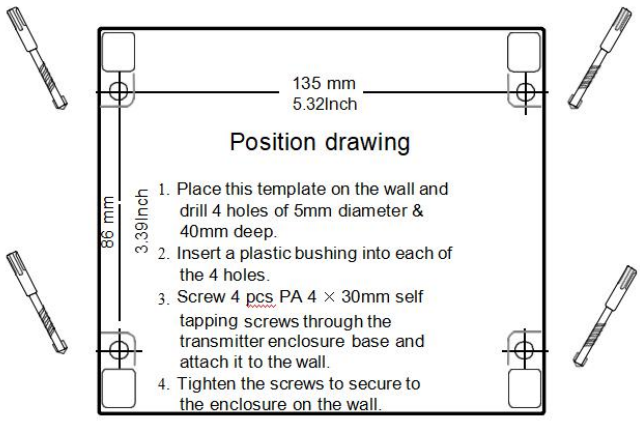
Application

Installation



Transmitter

Take out the enclosed screws and plastic bushings. Insert the plastic bushings into the installing holes. Put the flowmeter to the position and screw it in.

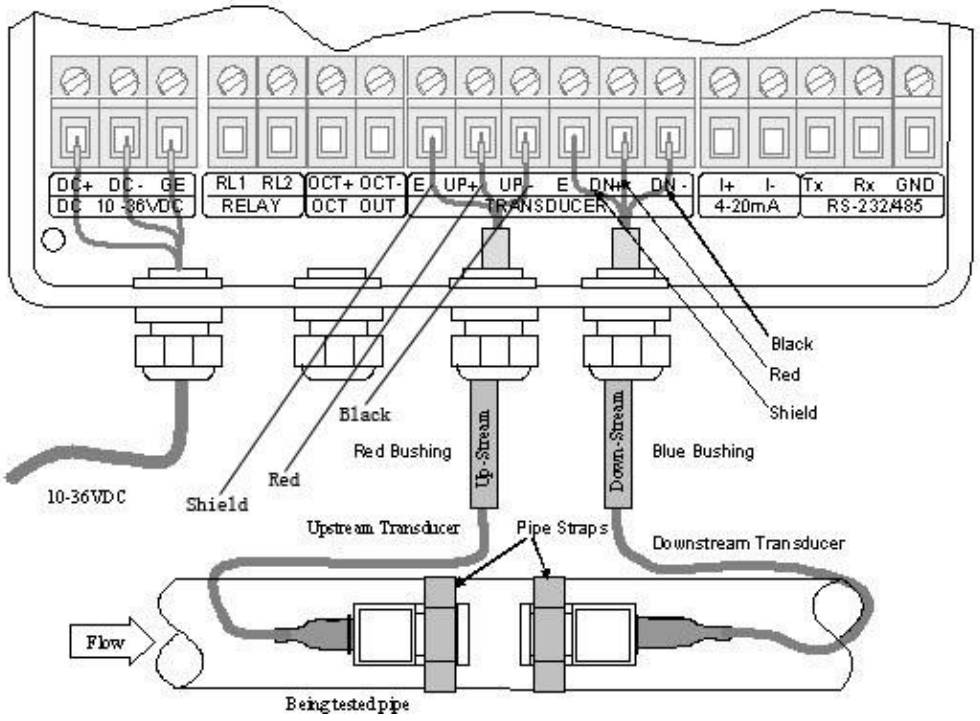


Position drawing

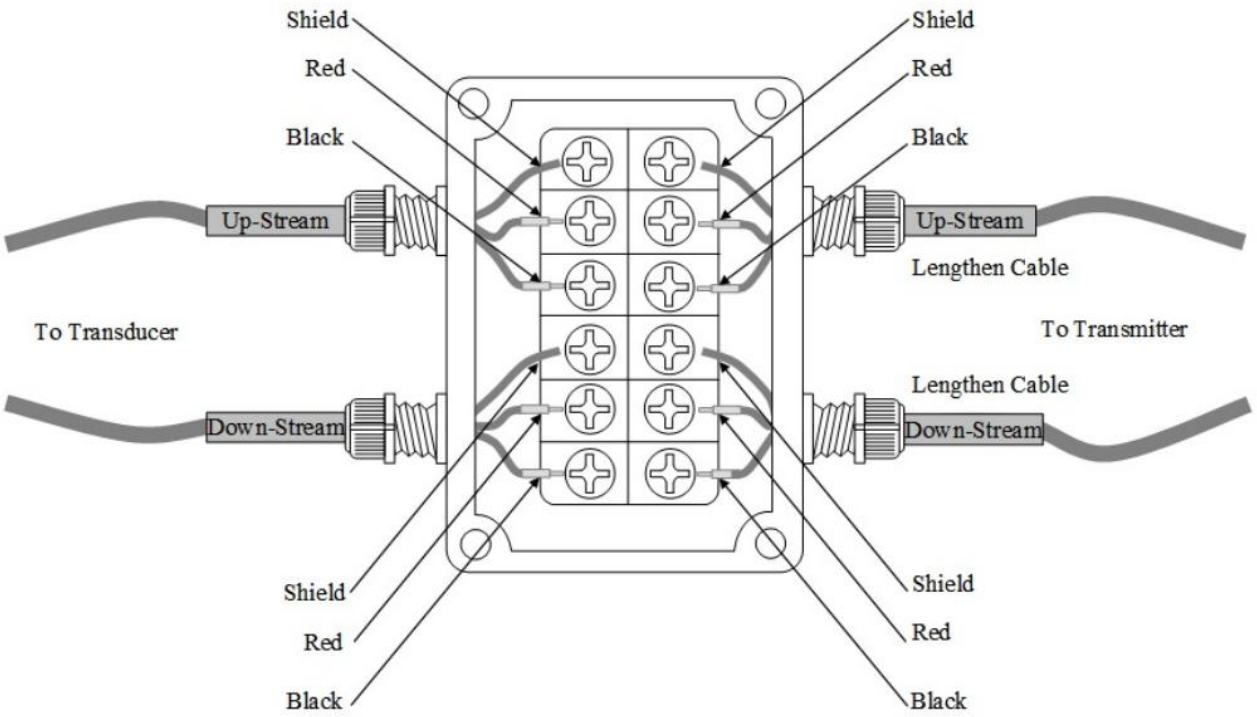
A "Position Drawing" is in the packing. Please use it as a template in the place that you are going to install the Flowmeter. Then drill 4 installing holes at the screws position shown on the drawing with the 5.0mm drill.

Wiring

Transmitter wiring



Lengthened cable



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