

SALIENT FEATURES

- Ultrasonic measurement using transit time technology
- Easy installation, no need to cut pipe or stop flow
- Minimal maintenance, external transducers do not require periodic cleaning
- No pressure drop or energy loss
- Bi-directional flow operation
- Wide range of pipe sizes
- Portable / fixed installation options
- Small in size and weight
- User friendly
- Inbuilt data logging



DESCRIPTION

ASIONIC 200C Clamp-on Ultrasonic flow meters measure liquids in industrial applications. Because the sensor is clamped on to the outside of the pipe, it is immune to the process compatibility concerns of an in-line flow metering technology.

ASIONIC 200C clamp-on ultrasonic flow meter operates using transit time measurement. By measuring the time it takes a sonic signal to travel a known distance with the flow stream and another signal travelling against the flow stream, it determines the velocity of the fluid being measured. With the sonic properties of the fluid and the pipe material factored in, users get an extremely repeatable accuracy on the volumetric flow rate being measured. Because the transmitter can process the signal of one or two sensors, it ensures additional economy and the ability to compare or contrast two flow streams, if required. The product is ideal for users looking for a process measurement device that is easy to install and can maintain flow measurement for clean liquids.

ASIONIC 200C clamp-on ultrasonic flow meters can be installed without stopping the process or having cut into the pipe line. It is ideal for process measurement in applications where users previously had not installed an in-line flow meter and for applications where large line sizes or exotic materials are required for in-line measurement technologies.

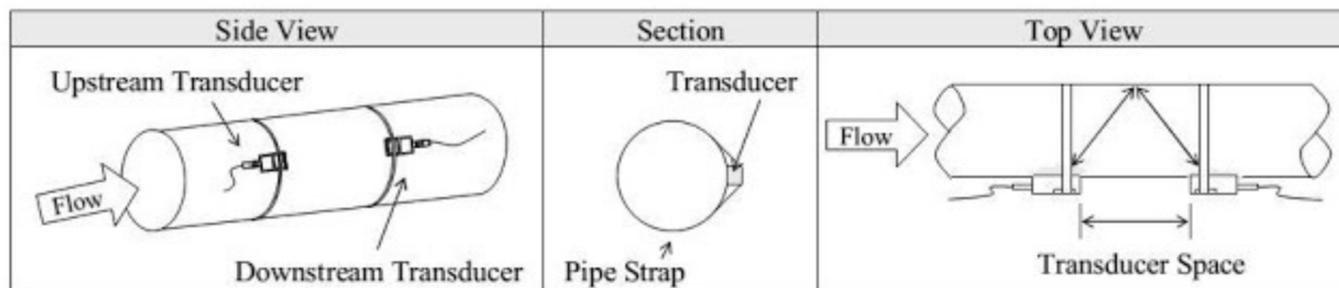
TECHNICAL SPECIFICATIONS

Media	: Sonically conductive liquids																
Viscosity	: 200 cp maximum																
Turbidity	: Smaller than 10,000ppm (mg/ltr) with a low level of air bubble content																
Flow Range	: -12 m/s to +12 m/s (40 ft/s)																
Power Supply	: 1) AC Version: 85-260 V AC, 50/60 Hz 2) DC Version: 24 V DC, +20% , -15%																
Accuracy*	: <table border="1" style="display: inline-table; border-collapse: collapse;"> <thead> <tr> <th>Line Size</th> <th>±1% of MV</th> <th>±2% of MV</th> <th>±4% of MV</th> </tr> </thead> <tbody> <tr> <td>50 to 300NB</td> <td>Single path</td> <td>----</td> <td>----</td> </tr> <tr> <td>350 to 600NB</td> <td>Dual path</td> <td>Single path</td> <td>----</td> </tr> <tr> <td>★650 to 2000NB</td> <td>Four path</td> <td>Dual path</td> <td>Single path</td> </tr> </tbody> </table>	Line Size	±1% of MV	±2% of MV	±4% of MV	50 to 300NB	Single path	----	----	350 to 600NB	Dual path	Single path	----	★650 to 2000NB	Four path	Dual path	Single path
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50 to 300NB	Single path	----	----														
350 to 600NB	Dual path	Single path	----														
★650 to 2000NB	Four path	Dual path	Single path														
Acoustic Paths	: Single, Dual & four path																
Display	: 128 X 64 graphics display																
Communication Interface	: RS 232 OR RS 485 MODBUS RTU																
Data Logger	: Internal data logging																
Operating Temperature - Transmitter	: -40°C to 60°C																
Operating Temperature - Transducer	: -40°C to 80°C (Standard), -40°C tp 150°C (Option)																
Enclosure	: Wall mounted, IP 65 Material.																
Pipe Size	: 25 mm (1") to 2000 mm (80)", wall thickness <200mm																
Pipe material compatibility	: MS / SS / cast iron / Plastic																
Analog Output	: Isolated 4 to 20 mA ,650 Ohm load																
Humidity	: Up to 99% relative humidity (non condensing)																
Transmitter	: Cast-Aluminium, IP-65 (NEMA 4x)																
Relays	: Up to 2 outputs, 1A at 230 V AC																
Sensor	: Encapsulated design standard cable length : 9 mtr., optional upto 15 mtr.																
Sensor Mounting	: 1) 'V' method 2) 'Z' method																
Ambient Conditions	: Operating temperature: -10 °C to +60 °C (14 °F to 140 °F)																
★ Sensor Type	: S(DN50-DN200), M(DN250-DN800), L(DN850-DN2000)																

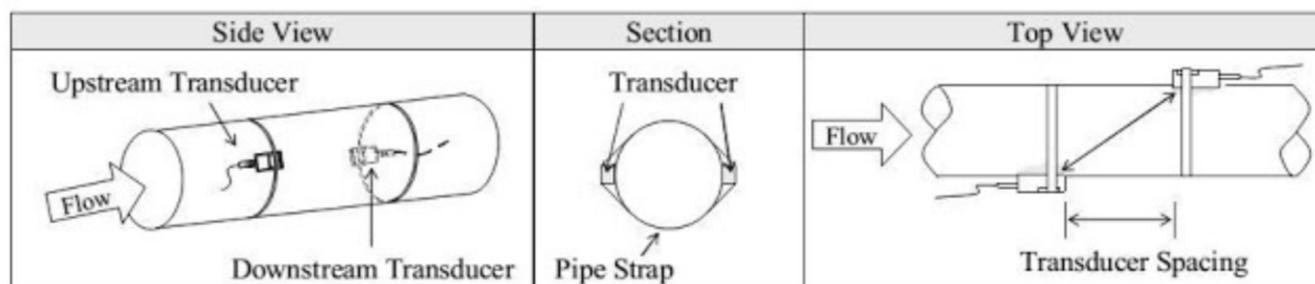
Note : For process conditions other than above, please consult factory.

INSTALLATION DRAWING

'V' Method :



'Z' Method :



ORDERING INFORMATION

03	650-2000NB			03	L	03	Four	09	None	03	Battery (Rechargeable)	03	15 mtr
02	350-600NB	02	Fixed	02	M	02	Dual	02	RS 485	02	24V DC	02	10 mtr
01	50-300NB	01	Portable	01	S	01	Single	01	RS 232	01	230V AC	01	5 mtr
SERIES	Line Size	Meter Type	Sensor Type	No. of Paths	Communication	Power supply	Remote cable length						
ASIONIC 200C	A 01	B 01	C 01	D 01	E 01	F 01	G 01						

*Due to our continuous product improvisation in design Specifications and Model Number are subject to change without notice.

*Accuracy defined at lab conditions.

Authorised Dealer



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