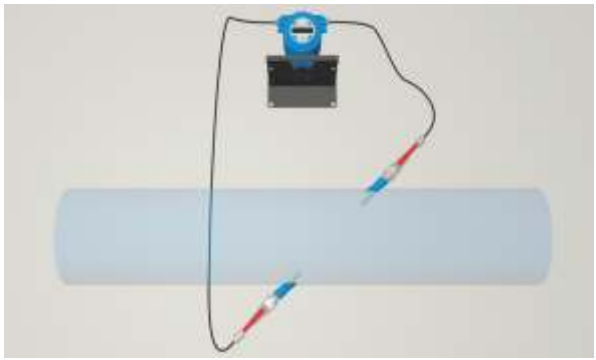
ULTRASONIC FLOW METER
ASIONIC-200

ELECTRONET

SALIENT FEATURES

- Ultrasonic measurement using transit time technology
- Protection against EMI / EMC
- Dual beam technology for precise measurements
- Maintenance free
- Excellent long term stability & reliability
- Inline / Hot retractable sensor assembly
- Simple & cost effective construction
- Empty pipe indication
- Communication port
- Isolated input & outputs
- Low start flow measuring capability to earn revenue from every drop of water delivered
- IP 65 Construction
- No pressure drop
- Inbuilt data logging



DESCRIPTION

Electronet series **ASIONIC-200** is a micro-controller based full bore type Ultrasonic Flow Meter, specially used for various industrial applications. These flow meters accurately measures the flow rate of liquid & slurries in closed pipes. Due to its simple& rigid design, the flow meter is an obstruction-less & maintenance free instrument in place of conventional mechanical Flow measuring devices. The system is well suited to most environments. Programming of the flow meter is simple and can be accomplished with 4 keys available on instrument , It provides access to an extensive range of diagnostic information. ELECTRONET manufactures serval flow meter consoles to meet the specific requirements of various applications.

TECHNICAL SPECIFICATIONS

Media	: Liquids
Viscosity	: 200 cp maximum
Line Size	: 50 NB to 2000 NB
Display	: 6 digit for Flow Rate & 8 digit for Totalised Flow
Calibration Range	: As per requirement (Factory Calibrated)
Accuracy*	: 1) ± 0.5 % of M.V. upto 300NB(Single Path) 2) ± 0.5% of M.V. above 300NB to 600NB(Dual Path) 3) ± 1 % of M.V. upto 600NB to 1000NB (Dual Path) 4) ± 2% of M.V. above 1000NB to 2000NB(Dual Path)
Linearity	: ± 0.5% of M.V.
Repeatability	: ± 0.2% of M.V.
Temperature Coefficient	: ± 0.05% per°C
Process Temperature	: -20 to 90°C maximum
Process Pressure	: 15 kg/cm² maximum
Material of Construction	: Flow tube - SS / MS / CS
Power Supply	: 1) 230V AC,50 Hz 2) 24V DC,+20%, -15% / 20 Watts Max.
Communication Port	: RS-485 MODBUS RTU
Analog Output	: 4 - 20 mA
Response Time	: < 1Sec
Transmitter Enclosure	: Die Cast Aluminum IP-66, flow tube IP-68
Process Connections	: ASA 150 flanged, as per table B 16.5
Operating Conditions	: Temperature -20 to 75°C / Humidity 5 to 95% non condensing
Data logging	: for 10 years (per day 1 sample)
Sensor Pair	: As per requitement
Sensor MOC	: SS 316

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

DIMENSIONAL DETAILS

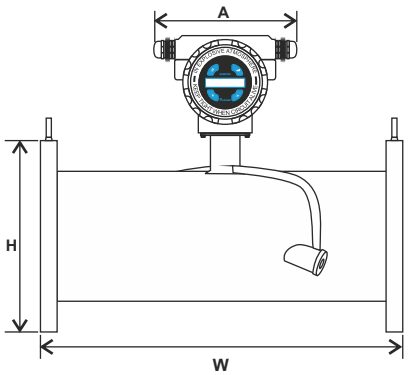


Fig.1 Front View

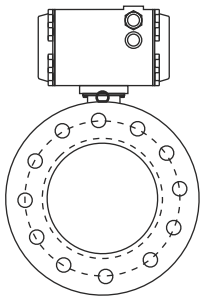


Fig.2 Side View

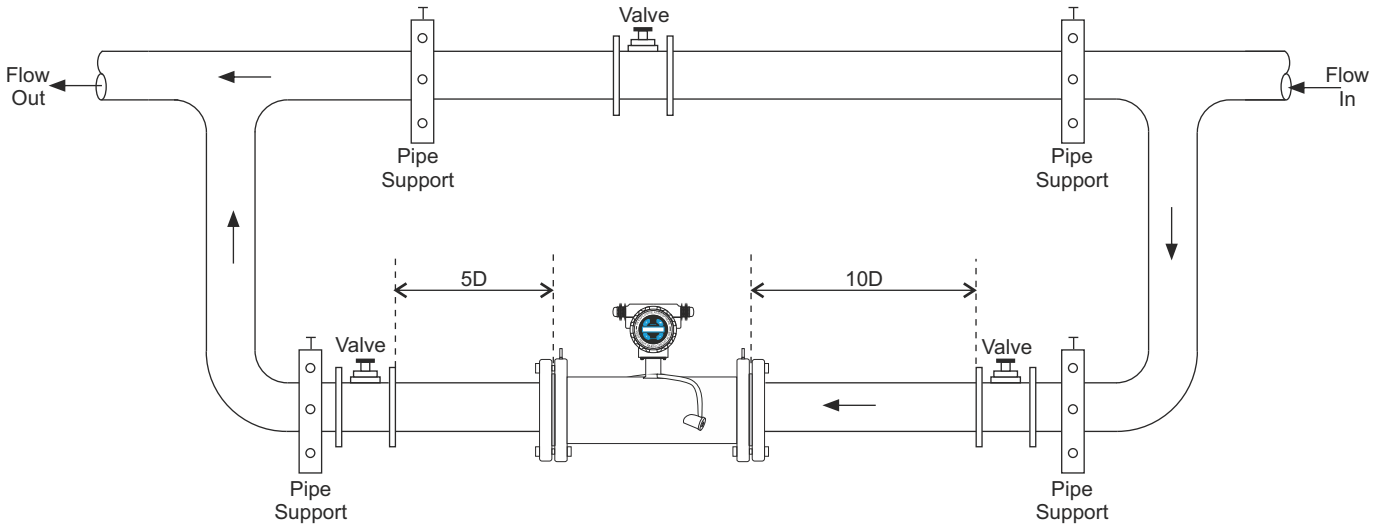
ASA 150

Nominal size	Dimensions [mm]			Flow Range (m ^{3}/hr)		
DN	W	H	A	Min	Normal	Max
100	406	229	199	2.83	56.55	283
150	457	279	199	6.36	127.23	636
200	546	343	199	11.3	226.18	1130
250	622	406	199	17.66	353.41	1766
300	660	483	199	25.43	508.91	2543
400	762	597	199	45.22	904.72	4522
450	800	635	199	57.23	1145.04	5723
500	402	699	199	70.65	1413.63	7065
600	991	813	199	101.74	2035.63	10174

Note:-

Standard factory calibration for 0.2 to 2m/Sec velocity
Typical mounting dimensions for reference
Max. Flow range in LPH / LPM is up to 999999

INSTALLATION DRAWING



ORDERING INFORMATION

																			09	None						03	15 mtr
	02	350-2000NB	02	Remote	02	SS 304	02	Dual	02	Fixed Inline	02	SS	08	Other	02	SS316	02	PTFE	02	4-20mA + RS485	02	24V DC	02	10 mtr
	01	50-300NB	01	Local	01	Aluminum	01	Single	01	Hot retractable insertion	01	CS/MS	01	ASA 150	01	MS	01	Rubber	01	4-20mA	01	230V AC	01	5 mtr
SERIES	Line Size		Electronics		Electronics Enclosure		No. of Beam		Sensor Construction		Flanges		Flange Rating		Flow Tube		Lining		Output		Power Supply		Remote Cable Length	
ASIONIC 200	A	01	B	02	C	02	D	01	E	01	F	01	G	01	H	02	I	02	J	02	K	01	L	01

*Due to our continuous product improvisations, Design, Specifications and Model Number are subject to change without notice.
*Accuracy defined at lab conditions.

Authorised Dealer

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