

## **SALIENT FEATURES**

- Ultrasonic transit time measurement
- Long Battery life
- RF Connectivity
- Meets OIML(R49) & MID standards
- Bidirectional flow measurement
- Ultra compact version of water meter



## **DESCRIPTION**

ASIONIC 400S battery powered water meter is designed to measure the velocity of a fluid in a sealed pipeline fitted with transducers. This enables calculation of flow and volume based on time of flight principle.

ASIONIC 400S is a static water meter which has no moving parts to avoid wear and tear.

The electronic unit having inbuilt LCD display to continuously indicate and log / record the following parameters:

- a. Flow rate
- b. Total volume
- c. Battery status
- d. Real time

ASIONIC 400S is an integral and hermetically closed static water meter intended for the registration of cold and hot water consumption.

ASIONIC 400S is constructed as a vacuum chamber of moulded composite material. Thus, the electronics are fully protected against penetration of water. This means that the meter can be work without problems in water submerged locations.

The meter can and must only be opened by Electronet's authorised service center by means of special tools, if the meter has been opened, and seal have thus been broken, the meter is no longer valid for billing purpose. Furthermore, the factory guarantee no longer applies.

The water meter is powered by an internal lithium battery with up to 10 years lifetime. the battery can be changed by one of the Electronet's authorised service center / personnel.

## TECHNICAL SPECIFICATIONS

Testing Pressure	: 16 Bar
Nominal Pressure	: 10 Bar
Minimum Pressure	: 0.1 Bar
Pressure Loss	: < 0.63 Bar
Media Temperature	: 0.1 to 60 °C
Relative Humidity	: 100%
Ambient Temperature	: 70 °C
Max. mean temperature over 24 hours	: 55 °C
Remote Reading	: Wireless M-Bus(incrypted-protects personal data against unauthorised monitoring)
Reprogramming / Downloading Store Data	: Through Optical Port using proprietary <b>a</b> Water AMR software
Data Storage Facility	: Up to 10 Years
Battery life	: 10 Years
RF Frequency	: 868.0 MHz
Available line sizes	: 15, 20, 25, 32, 40 NB
MOC	: SS / ABS
Process Connection	: BSP Threading(Male)

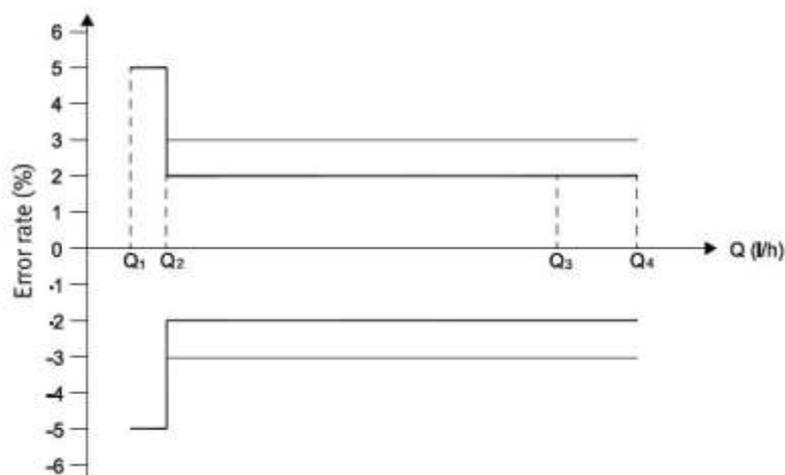
## ALARM

- Battery Low Alarm
- Meter Tamper Alarm
- Meter Open Alarm
- Meter Dry Alarm
- Continuous Zero Flow Alarm
- Leak / Continuous Flow Alarm

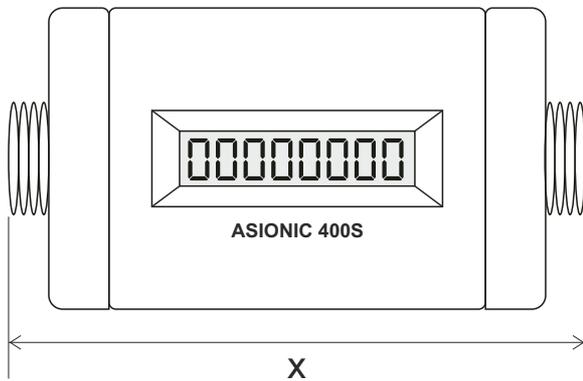
## ACCURACY \*

The MPE for the upper flow rate zone ( $Q_2 \leq Q \leq Q_4$ ) is  $\pm 2\%$  for temperature from 0.1°C to 30°C, and  $\pm 3\%$  for temperature greater than 30°C.

The MPE for the lower flow rate zone ( $Q_1 \leq Q \leq Q_2$ ) is  $\pm 5\%$  regardless of the temperature range.

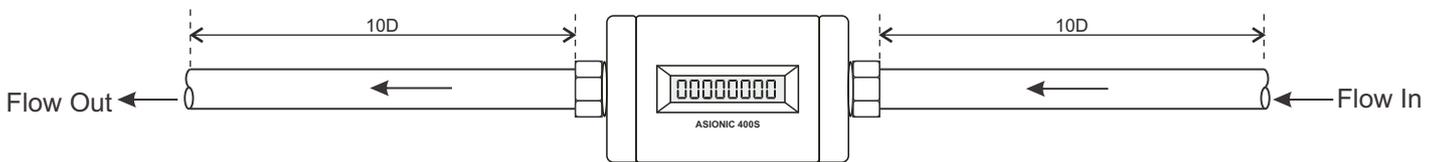


## GA DRAWING



line size	X
15 NB	130mm
20 NB	160mm
25 NB	160mm
32 NB	180mm
40 NB	200mm

## INSTALLATION DRAWING



## ORDERING INFORMATION

05	40 NB						
04	32 NB						
03	25 NB			09	None		
02	20 NB	02	SS 316	02	RF-2.5 Km	02	Not Applicable
01	15 NB	01	ABS	01	RF-100 mtrs.	01	Applicable
SERIES	Line Size	Flow Tube MOC		Communication Output		Auto Shut Off Valve	
ASIONIC 400S	A 01	B	01	C	01	D	01

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

### Authorised Dealer



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