

Ultrasonic Water Meter Xonic® 5L

System Description

Xonic 5L is stainless steel, no moving parts, battery operating, fully digitalized Water Meter for municipal water applications. Also, Xonic 5L can measure clean water, dirty water, chemicals, oil, alcohol, etc, so it can replace conventional flowmeters.

No Moving Parts

- No Turbine or Impeller
- No Gear Box
- No Magnetic Parts

Stainless Steel Body

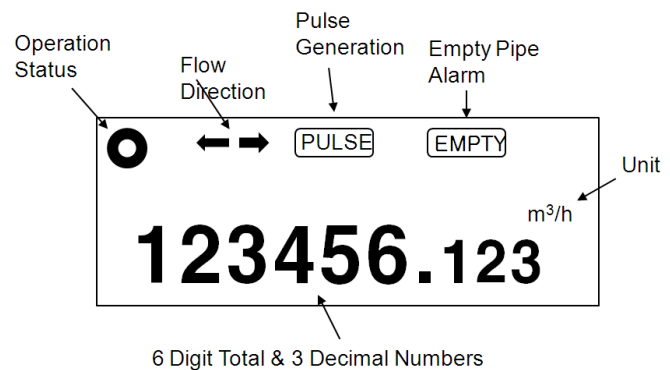
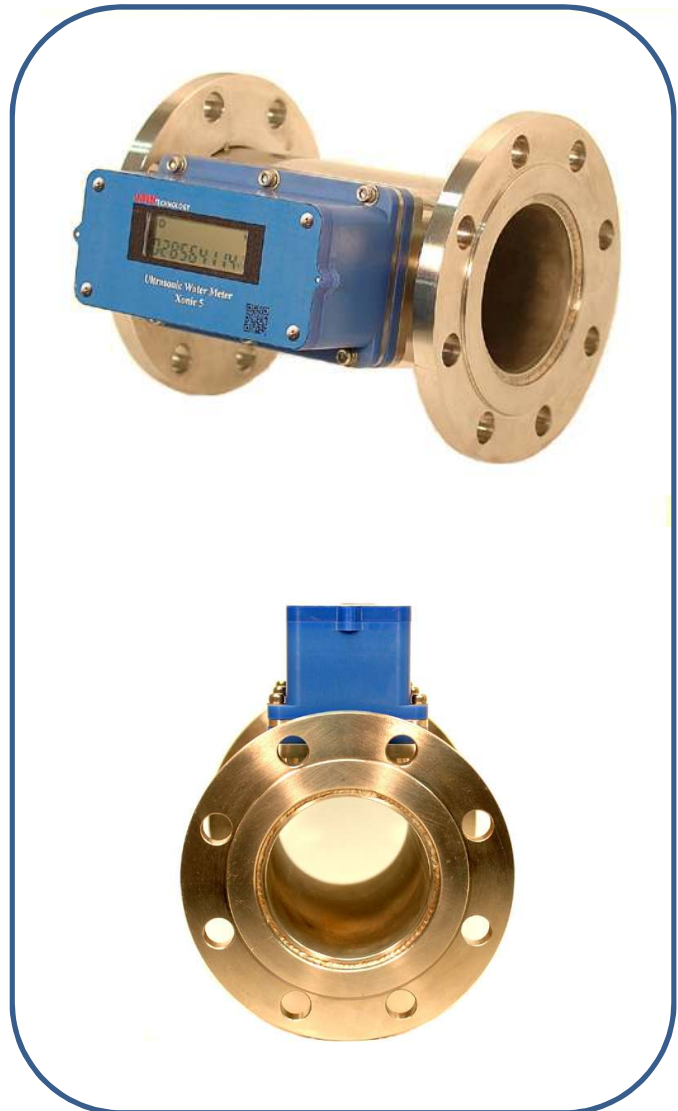
- No Corrosiveness
- No Rust

Fully Digitalized Water Meter

- Ultrasonic Transit-Time Method
- Bi-Direction Flow
- Empty Alarm
- 9.5 Digit Total
- Total & Flow Indication
- Battery Operating (8 Years)
- Pulse Output (1m³/pulse)
- Same Size with Turbine

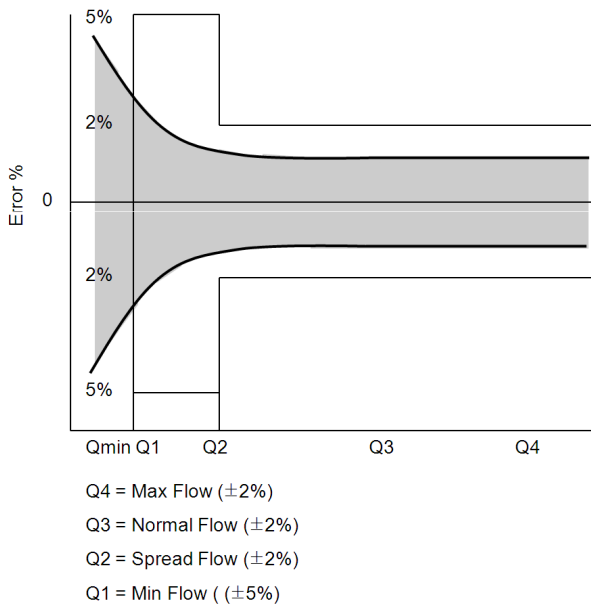
Application

- Water Meter
- Flow Monitoring Flowmeter
- Flowmeters for
 - Chemical
 - Steel
 - Semiconductor
 - Ship Manufacturing
 - Oil Refinery
 - Irrigation



Xonic 5L Display

Ultrasonic Water Meter Xonic® 5L



Specifications

Measuring Method
 Ultrasonic Transit-Time
 1 Pair Insertion Transducers
Accuracy : 2.0% RD
Measuring Range
 0.05~10 m/s
Sensitivity : 0.01 m/s
Output :
 Pulse (X5L, integral type)
 RS-232C (X5LR, remote type)
Display
 Total & Flow
 Reverse Flow
 Empty Alarm
 Operation Status
 Communication
Operating Temperature
 -20 ~ +60 °C for Electronics
 -40 ~ +120 °C for Transducers
Battery Operation : 8 Years
Datalogger : 8800 times
Protection
 IP68 for Spool
 IP65 for Remote Electronics
Spool Material
 Stainless Steel 304

Meter Size		50	80	100	150	200	250
Q4	Max Flow m3/h	N/A	200	312	500	800	N/A
Q3	Normal Flow($\pm 2\%$)	N/A	160	250	400	640	N/A
Q2	Spread Flow($\pm 2\%$)	N/A	3.2	5.0	12.5	20.0	N/A
Q1	Min Flow($\pm 5\%$)	N/A	1.3	2.0	5.0	8.0	N/A
	Start Flow	N/A	0.3	0.5	1.0	2.0	N/A
	Flange Length	N/A	250mm	250mm	300mm	350mm	N/A