



Meazon Water Flow Meter

Meazon's Ultrasonic water meter is designed for accurate measurement of cold and hot water flow in residential and commercial establishments. Combined with Meazon's smart streetlighting controllers, it can add intelligence and flexibility in a Smart City, using the streetlight network as the data backhauling infrastructure.

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| Application | <p>Static method of water consumption measurement, no moving parts. High accuracy calculation of water consumption. Eliminates measuring deviations caused by sand, suspended particles or air pockets. Long-term measurement stability and reliability. Total volume and instantaneous flow rate indication. Sensitive and accurate in low flows, down to 1l/h. Temperature measurement.</p> |
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| Coverage | Up to 50m indoor / mesh topology |
| Dimensions | 110x115x70 (WxHxD) in mm |

Wireless Ultrasonic Water flow meter with ZigBee or NB-IoT interface that will enable the smart water management in the cities of the future, preserving natural resources and supporting the citizens to save water and money.



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| Architecture | ZigBee Mesh Network NB-IoT* LTE CAT M1* |
| Frequency band (Zigbee) | 2.4 GHz |
| Frequency band (NB-IoT and LTE Cat M1) | NB-IOT Bands: 20, 8, 3 M1 Bands: 13, 12, 5, 4, 2 |
| Minimum data communication interval | Programable Interval. |
| Date storage – Measurement device | Yes |
| Technical features | <p>Temperature class T30 IP68 protection Installation in any position No measurement of air Environment class E1/M1 Protection class IP68 Nominal pressure PN16 Maintenance free device, Bi-directional flow measurement Flow direction indication Durable composite body Battery change during operation</p> |

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| Battery lifetime | 12 years (depends on the reporting interval and the alarms) |
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| Accuracy of measurements | Q3= 2.5 m3/h, R400 |
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| Build-in Data log record | <p>Hourly, daily, monthly values of the measured parameters are stored in internal memory. All data from archive can be read by means of the remote reading.</p> |
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| LCD Indication and alarms | <ul style="list-style-type: none"> • Flow direction indication • Battery level indication • Leakage • Burst • Backflow • Empty pipe • Radio communication • Warning indication • Temperature indication (special configuration) |
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