**Overview**

Analogics Smart Water Meter integrates the State of the art Ultrasonic sensing technology with Low-power RF-based communication to offer the best solution for Domestic as well as Commercial metering requirements. Its fully integrated design with no moving parts ensures extremely long maintenance free operation periods. With virtually no obstruction along the flow of water, the head pressure loss is almost negligible, reducing overall delivery costs. A low starting flowrate and very high measuring accuracy allows for detection of leaks and tampers, thereby helping minimize water loss.

Coupled with Analogics’ suite of RF-based handhelds and Meter Data Management SW, it is the most comprehensive and integrated solution with minimal or no manual intervention.

**Features**

* Compact, Low cost, Rugged & IP 68 compliant
* +/-2% accuracy, leak & tamper detection
* No moving parts, long life & low maintenance
* Low pressure drops, insensitive to sand or other particles
* No metering of air
* Integrated communication module

**Application Areas**

* Domestic/Commercial water metering

**Specifications**

|  |  |
| --- | --- |
| Accuracy | +/-2% (class B) |
| Working Temperature range | -10°C to +70°C |
| Casing | Industrial Grade Nylon (Polyamide) |
| Power Source | Internal (Long life Li-Ion battery) |
| Battery life | 6+ years |
| Data Logger | Available |
| Temperature Compensation | Yes |
| LCD Display | Yes (with range from 0.001 to 999999.999 m3 |
| Data Loss in case of end-of-battery life | No loss |
| Environmental/standard class | IP 68 |

**Technical Specifications**

|  |  |  |  |
| --- | --- | --- | --- |
| Nominal Diameter DN (mm) | 15 | 20 | 25 |
| Q3/Q1 | R200 | R400 | R400 |
| Permanent flow rate (Q3 in m3 /h) | 2.5 | 4 | 4 |
| Starting flow (l/h) | 2 | 2 | 2 |
| Minimum flow rate (Q1 in l/h) | 12.5 | 10 | 10 |
| Overload flow rate (Q4 in m3/h) | 3.125 | 5 | 5 |
| Nominal Pressure (bar) | 16 | 16 | 16 |
| Head Loss Class (bar) | 0.25 | 0.4 | 0.4 |
| Spool Material | Industrial Grade Nylon (Polyamide) | Brass | Brass |
| Pipe fitting interface | Push fit/ Threaded | Threaded | Threaded |