

SMARTWATER (Automatic Meter Reading) Device

The device connects to most domestic water meters with a magnetic pulse output, such as the Elster Kent V110 (KSM) or the Sensus 220C. The pulse pr technology, equipped with a sensor to detect tampering with the probe or cutting of the cable. The device also caters for single or combination bulk water meters, using their respective pulse probes that comes with the bulk meters. For Combination Meters, the Smartwater device has a second pulse input channel for the low flow meter.



A range of uplink intervals are available, ranging from daily, hourly, 30 minute or 15 minute intervals.

. “Excessive Use’ and ‘Pipe Burst’ detection are two important water conservation features. Once a “Pipe Burst’ is detected, a immediate uplink is sent, which forwards an e individual. “Excessive Use” is triggered when for a pre higher than the measured average.

The device is equipped with a low power long range radio for seamless integration to the Sigfox low power fixed network. The Sigfox offers the latest te market with a network that covers 90% of the South African population, available in basically every municipality in the country. This network eliminates the need to create your own network by installing expensive, high maintenance Data Concentrators and Gateways, in order to remotely read your water meters.

Smartwater Features

- 11 Digit Unique Serial Number
- Internal Antenna
- Dual channel pulse reader
- Leak Detection with Leak Size
- Up to 7 Year Battery Life
- Replaceable Battery
- Burst pipe & Excessive Use
- Mounting: Cable Ties, Screws or Double Sided Tape
- Tamper Evident Seal on probe
- Tamper Detection: Removal and cable cut

Specifications

- Infra-red communications port for configuration and diagnostics.
- Totalizer resolution down to 0.001^{m³} (1 Litre for 4 digit indicator)
- Totalizer Maximum 9999999^{m³} (100L resolution for 7digit indicator)
- IP68 (Tested for submersion in water, 1 meter for 2 hours)
- Operating Temperature -10 °C to 55 °C
- Measurement Units – Cubic Meters (m³) or Gallons (GAL)
- Dimensions: 110mm(w) X 33mm(h) x 40mm(d)
- Mounting: Cable Ties, Screws or Double Sided Tape
- Water Factor Range :0.5,1,2,5,10,20,100 & 1000 Litres per pulse
- User defined Water Factor from 0.1 to 10,000 Litres per pulse