Cello 6S - Water

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Delivering commercial and industrial Advanced Metering Infrastructure (AMI) solutions with exceptional data integrity.

Meter reads, profile data and user consumption alarms are automatically transmitted over 2G (GPRS), NB-IoT and LTE Cat M1 networks to a host computer or data centre at regular intervals providing a cost effective AMI solution.

Key Features

- Meter readings calculated by totalising pulses corresponding to known volume
- Compatible with pulse output meters
- Detection and alarm of unauthorised meter tampering
- Flow profile data stored at predetermined intervals
- Programmable index read time
- User replaceable SIM card
- Low power design provides typically > 5 years battery life
- Protected against water ingress to IP68
- Internal antenna
- User replaceable battery

Technical Specifications

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Electrical Inputs	– 1 flow (pulse) and 1 tamper detect or 2 flow (pulse) - 10 Hz max
Modem	**Antenna:** Internal (optional external variant) – Flexible communication build options, supporting either 2G / NB-IoT / Cat M1 or NB-IoT / Cat M1 only **SIM:** User replaceable SIM card
Data Transmission	**Type:** 2G, NB-IoT and LTE Cat M1 networks
Serial Port	**Type:** Full duplex, asynchronous
Memory	**Type:** Non-volatile – Data storage 2000 profile readings and 50 index readings
Clock	**Type:** Crystal controlled calendar clock with leap year adjustment – Synchronises clock to local network at regular intervals
Supply	**Life:** Typical battery life > 5 years (daily transmission) – Internally powered by a single, user replaceable lithium battery – Configuration and data retained during battery replacement
Recording	**Interval:** Programmable between 1 minute and 1 hour in defined increments **Data storage:** Rotating store
Alarm Dial-Out	– Programmable high and low flow rate and daily consumption alarms – Alarm on tamper detection – Low battery alarm
Environmental	**Operating ambient temperature:** -30°C to +60°C **Ingress protection classification:** IP68 (submersion at 1m depth for > 24 hours)
Mechanical	**Dimensions (mm):** 129 (h) x 127 (w) x 77 (d) **Weight:** 0.640 kg