

Cello 6S - Water

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

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: -20°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

