

Cello 6S - Gas

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
- Pulse input replication
- Detection and alarm of unauthorised meter tampering
- Flow profile data stored at predetermined intervals
- Programmable index read time
- Certified for use in Zone 0 hazardous locations
- User replaceable SIM card
- Low power design provides typically > 5 years battery life
- Protected and tested against water ingress to IP56
- Internal antenna
- User replaceable battery





Technical Specifications

Electrical Inputs	<ul style="list-style-type: none">- 1 flow (pulse) and 1 tamper detect or 2 flow (pulse) - 10 Hz max
Electrical Outputs	<ul style="list-style-type: none">- Pulse input replication
Modem	<p>Antenna: Internal (optional external variant)</p> <ul style="list-style-type: none">- Flexible communication build options, supporting either 2G / NB-IoT / Cat M1 or NB-IoT / Cat M1 only <p>SIM: User replaceable SIM card</p>
Data Transmission	<p>Type: 2G, NB-IoT and LTE Cat M1 networks</p>
Serial Port	<p>Type: Full duplex, asynchronous</p>
Memory	<p>Type: Non-volatile</p> <ul style="list-style-type: none">- Data storage 2000 profile readings and 50 index readings
Clock	<p>Type: Crystal controlled calendar clock with leap year adjustment</p> <ul style="list-style-type: none">- Synchronises clock to local network at regular intervals
Supply	<p>Life: Typical battery life > 5 years (daily transmission)</p> <ul style="list-style-type: none">- Internally powered by a single, user replaceable lithium battery- Configuration and data retained during battery replacement
Recording	<p>Interval: Programmable between 1 minute and 1 hour in defined increments</p> <p>Data storage: Rotating store</p>
Alarm Dial-Out	<ul style="list-style-type: none">- Programmable high and low flow rate and daily consumption alarms- Alarm on tamper detection- Low battery alarm
Certification	<p>Certified for use in Zone 0 hazardous locations</p> <p>Certificates: Sira 15ATEX2368X & IECEX SIR 15.0139X Ex ia IIB T4 Ga (Tamb = -30°C to +60°C)</p>
Environmental	<p>Operating ambient temperature: -30°C to +60°C</p> <p>Ingress protection classification: IP56</p>
Mechanical	<p>Dimensions (mm): 129 (h) x 127 (w) x 77 (d)</p> <p>Weight: 0.640 kg</p>