Cello 6S - Gas

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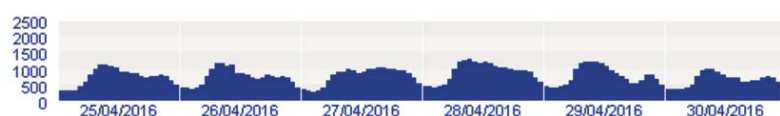
Delivering commercial and industrial Advanced Metering Infrastructure (AMI) solutions with exceptional data integrity.

Meter reads, profile data and user consumption alarms are automatically transmitted over 2G and 3G 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

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Electrical Inputs	– 1 flow (pulse) and 1 tamper detect or 2 flow (pulse) - 10 Hz max
Electrical Outputs	– Pulse input replication
GSM Modem	**Antenna:** Internal (optional external variant) – Support for 2G / 3G frequencies **SIM:** User replaceable SIM card
Data Transmission	**Type:** UMTS (WCDMA) / HSDPA / EDGE / GPRS Operation
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
Certification	Certified for use in Zone 0 hazardous locations **Certificates:** Sira 15ATEX2368X & IECEx SIR 15.0139X Ex ia IIB T4 Ga (Tamb = -30°C to +60°C)
Environmental	**Operating ambient temperature:** -30°C to +60°C **Ingress protection classification:** IP56
Mechanical	**Dimensions (mm):** 129 (h) x 127 (w) x 77 (d) **Weight:** 0.640 kg