



TECHNOLOG



Cello 6W - SMS/GPRS Meter Reader

The Cello 6 Meter Reader is compatible with most types of water meters. It uses the GSM communications network to transmit indices (meter readings) and consumption profiles to a host server at user defined intervals. The meter readings and profile data can be sent to Technolog's secure, robust and versatile Oracle Database System, to the user's own PC running Technolog's proprietary 'PMAC Plus' software or to any Technolog hosted website.

- Two pulse inputs (volt-free or solid state)
- Outputs: two replicated pulse for 3rd party equipment
- User replaceable battery, typical life 6 years
- High/Low flow rate and daily volume alarms
- Two tamper alarms
- Data transmission intervals: 4 hourly, daily, weekly, monthly
- Easy to install
- Automatic 'gap' filling / missing data requests
- Automatic clock adjustment
- Supports SMS and GPRS communication modes
- Simple step-by-step setup Wizard

Technical Specifications



Input	-----	Input 1 - Pulse count, 25Hz maximum input frequency / 4Hz max. with replicated outputs enabled Input 2 - Pulse count, 25Hz maximum input frequency / 4Hz max. with replicated outputs enabled Optionally, each channel can be protected by its own 'tamper' input (alarm only) Event-driven state inputs, Low <= 1v High => 2v
Outputs	-----	Optional replication of input channels (up to 4Hz) on a Mil.Spec. connector using standard Technolog cabling
GSM Modem	-----	Quad band: 900MHz, 1800 MHz / 850MHz, 1900MHz Integral antenna. Optional external antenna Class 8 GPRS (optional) User accessible SIM card
Serial Port	-----	2400 baud serial communication through 4-way Mil.Spec. connector
Memory	-----	Non-volatile, up to 2000 readings per channel between data sends
Supply Type	-----	Internally powered by single, user replaceable lithium primary cell Battery Life up to 6 years, depending on mode of use Logger setup and data are retained during battery replacement
Clock	-----	Trimmed crystal-controlled real-time clock with leap year adjustment 100 seconds per month maximum error over -20°C to +50°C Option to synchronise to the GSM Network
Recording	-----	Rotating store Programmable from 1 minute to 1 hour in defined increments
Alarms	-----	Pulse inputs - high / low flow rate alarms independently programmable on each channel. High & low flow rate alarms Programmable daily consumption volume alarms Alarms on (optional) Tamper inputs (dual flow socket versions) – high/low state input alarm (E.g. on cable severance)
Environmental	-----	Operating ambient temperature: -20°C to +50°C Protection classification: IP68 (submersion at 1m depth for > 24 hours)
Mechanical	-----	Diameter 149mm; Height 147mm Weight 0.750kg

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