MULTI-LOGGER

SUMS DATA LOGGING

POWER WITH FLEXIBILITY

SUMS Multi-logger is the Power Choice of Facility Managers

The SUMS Multi-logger offers a powerful, flexible and low-cost solution for the remote recording and automatic meter reading (AMR) of any utility meter.

Monitor up to 384 water, electricity or gas meters simultaneously. The SUMS Multi-Logger can be hardwired with up to 12 SUMS XB-32 Expansion Boards, making for easy configuration on small or large sites. Usage data can be sent directly to the SUMS Portal via the integrated 4G wireless module, read manually via the facia panel, or automatically forwarded in 15-minute time-stamped intervals to a Utility Retailer or 3rd party provider for billing or analysis.
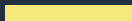
FEATURES

SUMS MULTI-LOGGER

- Compatible with any pulse capable utility meter and 4-20mA inputs channels
- Supports up to 384 utility meters monitored in real-time
- Connect to 12 x 32 pulse channel hard-wired expansion modules
- Hard-wired inputs with battery backup facility
- N-Type Wireless Antenna supports wide range of powerful antennas
- Integrated 4G Wireless Module supports Quad-Band GSM (800, 850, 900, 700 MHz)
- Functional 2x16 LCD display on Base assists in
- commissioning, monitoring and fault finding:
  - Reports Status Information: modem state, SIM state, communication errors
  - Reports enabled inputs and expansion boards
  - Meter Readings
- Remote reprogramming for firmware upgrades
- Serial programming interface
- Pulse input characteristics
  - Internal pull up resistor 47k to 3.3V
  - Input impedance 220ohm + 47k//100nF
  - Input low voltage (probe closed) < 0.75V
  - Input high voltage (probe open) > 2.6V
  - Minimum low time 2mS
  - Minimum high time 20mS
  - Maximum pulse rate (50% duty) 25ppS
  - To register a pulse, all inputs must remain in the same state for 2mS.
- Complies with Australian EMC regulations for A-TICK Certification; Standard: AS/NZS CISPR22: 2009 (CISPR22: 2008 Ed 6)
- IPAM (Infrastructure Products and Matrials) approved for SEQ (South East Queensland) water service providers

SUMS Group

www.sums.com.au

Product Information

XG

SUMS Data Logger

LONGEVITY & ROBUSTNESS

The SUMS XG Data Logger is a compact, multi-channel monitoring device that can be attached to any utility meter with a pulse output. Data is sampled in 15-minute intervals and uploaded to the SUMS portal for further analysis.

Powered by long-life (5-8 years) 2 x 3.6V Lithium battery cells, with options for solar and 240v power, the SUMS XG Data Logger can be installed in almost any environment. The sturdy enclosure is hermetically sealed (IP66) and manufactured from UV-stabilized plastic to withstand the harshest climate.

The SUMS XG Data Logger is very simple to install and sends data in a matter minutes from entering the site!

XG
SUMS Data Logger

FEATURES

Monitors up to 4 utility meters simultaneously.

Battery powered.

Remote firmware updates and diagnostic reporting.

Integrated Quad-Band Wireless module - LTE: Bands 3, 5, 8, 28 (1800, 850, 900, 700 MHz), Tri-Band UMTS: Bands 1, 5, 8 (WCDMA/FDD 2100, 850, 900 MHz)

Support for a wide range of external high-gain GSM antennas.

LED display shows:
o 4G/3G signal strength
o Input pulse activity on 4 channels
o Online status
o Error and magnet activation

Input electrical characteristics:
Maximum low voltage 0.6V
Minimum pull-down current 90uA
Minimum high voltage 2.7V
Maximum leakage current 1.3uA
Impedance 470k//2.2nF
Enclosure:
Physical size - 115mm x90mm x55mm
Weight – 580gm
Material – Polycarbonate, UV resistant
Hermetically sealed
Tested to IP67 Conditions

Operating temperature between -15 to +70 degrees.
Bar code identification strip.

Standards: Complies with Australian EMC regulations for A-TICK Certification

Standard:
AS/NZS CISPR22: 2009 (CISPR22: 2008 Ed 6)

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