

Hardwired Multi-Logger

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

- 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 Materials) approved for SEQ (South East Queensland) water service providers

