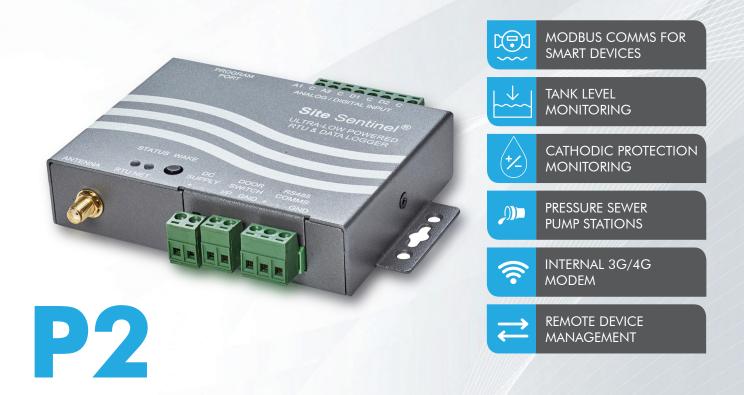
\$37SOUTH SITE SENTINEL P2

High performance, ultra-compact data logger + RTU



The P2 is the ultra-compact, industrial-focused variant of the Site Sentinel® data logger and RTU family, providing highly-reliable, direct-to-host data monitoring in a single package.

The Site Sentinel® P2's flexible device configuration enables the measurement of a variety of analog and digital signals. This data is stored internally on non-volatile Flash memory with upstream communications provided using an internal 3G or 4G cellular modem. Host compatibility is ensured with integrated support for DNP 3.0 and FTP data protocols.

The device is housed in a very low-profile, robust enclosure supporting a variety of installation options, including DIN rail compatibility and flat-panel mounting.

Additional communications port provides Modbus Master communications capability. User configurable Modbus table permits download of pre-defined or ad-hoc Modbus data profies to support 'smart' downstream devices such as flowmeters, power meters and water quality probes. Remote configuration and device management is supported via leading industry SCADA applications, remote firmware download capability is provided via FTP file transfer.

The P2 suits a wide range of industrial applications, such as data logging of remote sites, tank level and flow recording, pipeline cathodic protection monitoring and integration with pressure sewer pump stations.

TECHNICAL SPECIFICATIONS

General

Supply Voltage 9-30V DC (non-isolated supply input)

Current Draw 0.8 mA sleep, 10 mA awake, 200 mA 3G communications, 2 A (peak) 3G network detect, (measured at 12V DC)

Internal – Year, month, date, hour, minute, second, Automatic DNP3 time synchronisation from DNP3 master, Real Time Clock

Automatic cellular network time sync when using FTP data export mode

Temperature -20°C to +65°C Celsius

0 to 90% relative humidity, non-condensing Humidity

Windows based Configurator M+ configuration software, Remote device management via DNP3, Programming

Remote firmware download via FTP, local programming port

132.6mm (w) (inc mounting feet) x 26.0mm (h) x 82.7mm (d), DIN Rail mounting clips provided Mounting

10 Interfaces

2x dry-contact binary inputs, Each input supports pulse counting up to 10Khz (non-isolated), Digital Input

Forward/Reverse/Nett Totalisers with 32 Bit rollover

2x 0-20 mA, 0-2.048V DC, 0-5V DC or digital input (user selectable, per channel), Analogue Input

15 bit resolution (non-isolated), 4x user-configurable alarm limits per channel

Internal measurement of Cell Network RSSI, RTU temperature, RTU battery voltage and session status code System Input

Serial Comms 1x Modbus Master 2-wire RS485 Serial Port (screw terminals)

Telemetry

3G Cellular (Standard) Supports 3G B1 (2100), B5 (850), B8 (900), Class 3 output power (+24dBm)

Supports 4G/LTE B1 (2100), B3 (1800), B5 (850), B8 (900), B28 (700), Class 3 output power (+23dBm) 4G Cellular (Option)

External SMA female connector Antenna

SIM Card 1.8 and 3V UICC (Standard size SIM card)

Data Protocols DNP3.0 Slave unsolicited / polled mode, FTP data export

Host Support True TCP support to DNP host (supports three Master IP addresses)

CHAP or PAP authentication, SIM credentials, configurable username, password and APN, built in IP firewall, Security

512-Bit AES Encrypted firmware download

Approvals

Build RoHs assembly

Standards RCM (AUST/NZ), EMC compliance, other export standards on request

Production Proudly Made in Australia

Factory Acessories

A comprehensive range of factory manufactured or sourced accessories to ensure reliable and swift solution

deployment (see website)

