



Sentinel 100

The Sentinel 100 is a low cost GSM/GPRS telemetry, metering and condition monitoring module for users of distributed plant and assets with a small I/O count.



The Sentinel 100 is able to operate in a wide range of environments and is particularly suited to remote locations due to its ability to sleep, thereby reducing power consumption to an absolute minimum. The module can then wake at defined times to read and transmit data, or may be woken by an alarm signal.

Data and alarms messages may be sent to the user's GSM telephone or the user's account on the Process Insight web site (see Process InSight Web data-sheet).

The standard model allows data to be sent at one of three intervals - every minute, hour or day. This data is sent via GPRS or, in areas of poor network coverage, via SMS. The configuration of the Sentinel and its status can be changed remotely.

The battery model reports low battery condition and the 100-240V AC model reports when the power is restored after failure.

Special features are available on request. Please contact us for more details.

Features:

- 4 Analogue inputs, 4-20mA or 0-10V 10 bit
- 4 Digital inputs, volt-free contact or 5v logic
- 1 Relay output with Set/Reset function
- 12-30VDC power supply
- Low power consumption
- Sleep/Standby mode
- Send alarm via SMS or GPRS
- Send data at timed intervals
- Wake and alarm on interrupt option
- Onboard real time clock
- Status indication
- Internal MMCX antenna
- Dual band GSM
- GPRS class 10
- External antenna option
- DIN rail mounting option
- IP66 enclosure option
- 100-240VAC power option
- Battery option
- Solar panel option

Applications:

- Remote plant monitoring
- Remote data collection
- Tank level monitoring
- Remote utility metering
- Building security