

## Smart Meter

Metering of electricity, gas and water couldn't be more simple than with Hawkesbury's range of smart metering products

Hawkesbury's smart metering solutions provide an end to end service from installation to data management. Using the latest metering and logging technology with integrated GSM/SMS modem, we provide a range of metering and logging solutions for electricity, gas and water. Half hourly profile data is transferred by the GSM mobile network directly from the meter or logger with no other form of communications required on site.

The GSM enabled electricity meter together with the gas and water loggers provide an ideal solution for half hourly data acquisition for automatic monitoring and targeting, sub tenant billing or sub metering solutions.

### Electricity Meter

This simple to install electricity meter with integrated GSM communications is available in both single and three phase. The three phase version is provided in either direct connect or CT operated.



Power quality parameters such as instantaneous voltage and current, under / over voltages and power downs can be monitored. In addition the meter has an M-bus input for reading gas, heat and water meters.

An LCD display is incorporated for the display of important metered parameters.

The key features of the electricity smart meter are:

- 15 or 30 minute interval data
- Active and reactive power
- Direct connect and CT operated versions
- External antenna available
- 200 day storage capacity
- IEC 62052-11 and IEC 62053-21 approved

The integrated RS485 interface can be used to optionally connect a further 30 meters via a 1 km loop.

### Data Collection

Data acquisition from our range of smart meters and loggers couldn't be simpler. No on-site modem or network communication is required as data is transmitted directly from the Smart Meter or logger using the GSM network. This is provided as a managed service by Hawkesbury and any failure in this will be addressed by our engineers.

Data can be provided directly to your eSight® **aM&T** software whether this is installed at your site or hosted by Hawkesbury. For a cost effective solution why not try our eSight Hosted package, available to access over the internet.

### Meter Installation

Hawkesbury provides a full installation service for all of your metering solutions. This process is typically initiated with a site survey to understand the best locations for the metering and logging devices. Installation is carried out by qualified engineers to an agreed fixed price.

## Gas Logger

The gas logger integrates a data logger, GSM modem and safety isolation in a single unit. The internal GSM modem provides a reliable means to communicate data as part of an AMR energy management solution for industrial gas and water metering.

Importantly, the gas logger is battery powered and therefore requires no mains supply which is often not available in the same location as the gas meter.

The logger is capable of logging up to 4 pulsed inputs together with ambient temperature. This ability to log temperature can be extremely useful for energy monitoring and targeting.

The key features of the logger are:

- Log up to 4 channels
- Ambient temperature logging
- 15 or 30 minute interval data
- Battery powered
- Storage capacity of 42 days of 30 minute data
- BS EN 60079 approved
- ATEX intrinsic safety certified
- Compact weatherproof housing for wall or panel mounting



This logger is not limited to logging just gas meters but can log any pulsed output meter such as electricity, water or steam meters.

The gas logger is battery powered which has a lifetime in excess of 5 years based on 1 SMS transmission per day. The battery is factory fitted and easily replaced on site. A low battery alarm is transmitted to indicate that the battery has reached 90% of its operational life.

## Water Logger

The water logger is an integrated data logger, GSM modem and antenna packaged in a single IP68 enclosure. The internal GSM modem provides a reliable means to communicate data as part of an AMR energy management solution for industrial water metering.



The logger is capable of logging up to 2 pulsed inputs and has the following key features:

- Log one or two water meters
- High performance internal antenna
- Ambient temperature logging
- 30 or 15 minute interval data
- Battery powered
- Storage capacity of 70 days of 30 minute data

The water logger is battery powered which has a lifetime in excess of 5 years based on 1 SMS transmission per day. The battery is factory fitted and easily replaced on site.

## eSight® aM&T Suite

Hawkesbury's range of smart meters and loggers can be used together with our eSight monitoring and targeting suite. This comprehensive aM&T suite can be installed to site or hosted by Hawkesbury for your use across the Internet.

Hawkesbury specialises in end to end solutions for the management of energy. Please contact our sales team for further information on how we may help your organisation become more energy efficient.

