

KNOWTRONIC

sensing & telemetry solutions

Metron2

Telemetry that makes sense

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british engineering excellence awards
WINNER



INTRUDER ALARM
SERVICE NOW DUE
HIGH PRESSURE
MACHINE MALFUNCTION
TANK LEVEL
METER READING



► The world of advanced telemetry at your fingertips

Metron2

Telemetry that makes sense

► **The affordable and flexible solution**
Save Time, Save Resources, Save Money

Intruder alarm
Service now due
High pressure
Machine malfunction
Tank level
Meter reading

LOG AND TRANSMIT DATA AND
SEND ALARMS WIRELESSLY,
BUILT-IN LOCAL DISPLAY

► **Tom's monitoring tank levels in Brazil
while having a coffee in Birmingham**



► **The world of advanced telemetry at your fingertips**

WHEREVER YOUR EQUIPMENT



Very Remote Control

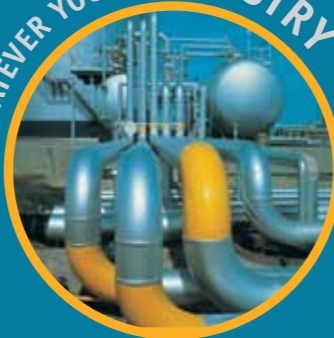
Powelectrics supply wire-free telemetry solutions for use across the globe for remote monitoring and control.

Telemetry is the remote measurement and collection of data, such as meter reading, tank level monitoring or environmental monitoring.

Telemetry is typically used to gather data from distant, inaccessible locations, or when manual data collection would be difficult, dangerous or costly.

Powelectrics specialise in the design, supply, installation, commissioning and support of GSM telemetry and radio telemetry systems.

WHATEVER YOUR INDUSTRY



Applications

- Remote tank level monitoring
- Remote meter reading
- Water network monitoring (flow & pressure)
- Environmental monitoring (flow, pH, turbidity)
- Security
- M2M—alerts from machines
- Irrigation and abstraction monitoring and control

WHEREVER YOUR LOCATION



FROM YOUR MOBILE



Bringing the world closer with Metron2

Affordable and Flexible

The Metron2 enables you to quickly and easily address a range of remote monitoring and alarming applications using the same low cost hardware.

Four Configurable Inputs

The 4 inputs can work with a range of sensors, meters and other signals giving a high degree of flexibility.

Integral Display

The integral back lit display means the device can be used to show the readings locally, as well providing an easy way for the user to easily configure and interrogate the unit.

Self Powered

The Metron2 can operate from its own internal battery, even providing power to the sensors, or you can connect an external power source such as a solar cell.

Low Cost Operation

The quad-band GSM modem gives global operation and low cost GPRS data transfer.

Low Installation Costs

It's quick and easy to install and there's no need for qualified electricians.

Data Logging

The unit can store 1,500 readings each with a time and date stamp.

Expandable

The unit has an in-built expansion port - Different options are available including a 5 channel pulse/digital board.

FROM YOUR COMPUTER

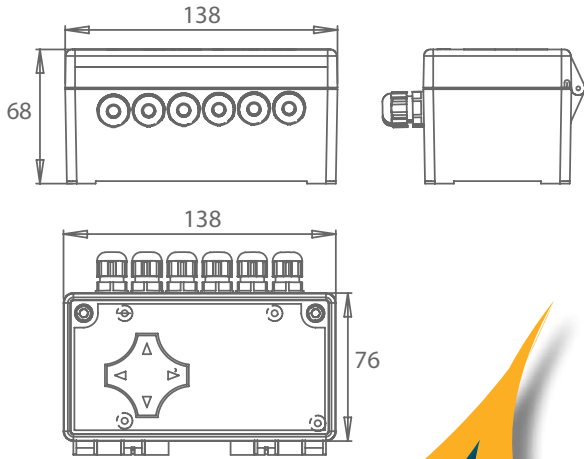


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Let Knowtronic help you to the best tank monitor solution

Metron2

Telemetry that makes sense



GSM module is fully type approved conforming with the R&TTE directive. GE, GCF, FCC, PTCRB, IC and ANATEL approved.



► Summary of Technical Features

Ability to interface with up to four analogue (0-10V or 4-20mA), or digital (ON/OFF) signals. Optional plug in board with 5 pulse or digital inputs (max frequency 20Hz)

2 digital outputs rated a 2A @ 30 Vdc - optional extra On board excitation for sensors, 3.6 volts (non-regulated), 5v, or 21.6 volts (max 31.25mA).

Internal non rechargeable battery powered or external 6 to 24 Vdc power source. Please specify when ordering.

Back lit LCD Display, 40 x 40mm, 128 x 128 pixels, to help with on-site setup & diagnosis. Can be used as a local display to show measured values.

Quad-band GSM/GPRS modem fully type approved conforming with the R&TTE directive. GE, GCF, FCC, PTCRB, IC and ANATEL approved. Communications by text message & GPRS, using a range of protocols. Unit transmits periodically and/or upon alarm. Unit can be configured so you can poll for live data. Configuration will affect battery life.

- USB port for programming & firmware upgrade
- Programmable locally or remotely
- Over the air firmware upgrade capabilities
- Weatherproof enclosure dimensions are 138 / 75 (plus glands) x 65.5mm
- Expansion board socket for future use
- Multiple alarm thresholds per channel
- Real time clock and data logging (1,500 records)

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