



SMART METERING ONLINE

## Technical overview

www.econtrols.co.uk



energy  
CONTROLS

Suppliers of World Class  
Meters and Metering Systems



### Accuracy

Approved and certified by The Office of Gas & Electricity Markets [Ofgem] to meet the requirements of EU Measuring Instruments Directive [MID]

### Reference Standards

**BS EN62053-21: 2003**

Static Meters for active energy. [Classes 1 & 2]

**BS EN62052-11: 2003**

Alternating current static watt-hour meters for active energy. [Classes 1 & 2]

[Classes 1 & 2]

**IEC62056-21: 2002**

Data Exchange for Meter Reading, Tariff and Load Control. Direct Local Exchange

**SI1566: 1998**

The Meters [Certification] Regulations 1998

**2007-Measuring Instruments Directive**

### Quality

All meters are manufactured under a quality system approved to BS ISO 9001: 2000

### Power Supply

Rated 230V/415V

### Meter Dimensions

Height: 260mm  
[inc. terminal cover]  
Width: 172mm  
Depth: 75mm

*Energy Controls reserve the right to change specification without notice.*

*For a detailed specification document on this product please contact Energy Controls.*



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## SMART metering *Online*

A new generation of intelligent metering delivering accurate remote meter readings direct to your PC via the internet.



Suppliers of  
**WORLD CLASS**  
Meters & Metering  
**SYSTEMS**

**METERING**  
Measuring  
& Managing **RESOURCES**



# System overview

## RETAIL, INDUSTRIAL & COMMERCIAL

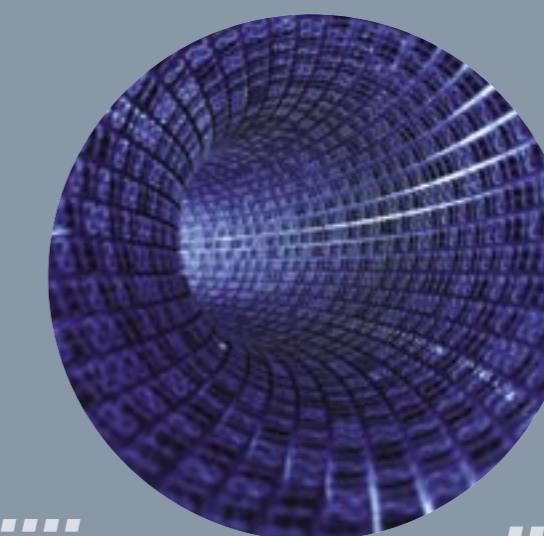
PROTECT YOUR METER  
**INVESTMENT** THROUGH  
FLEXIBLE MODULARITY



Meter Unit



Internet Connection



Internet Information Highway



Computer Interface

### THE METER

An industry leading highly functional Energy Meter offering direct connection or CT operated installation. The meter can be fitted in stand alone installations or as part of a comprehensive metering system and comes complete with a module slot for simple 'Plug & Play' connection of a communications unit.

### COMMUNICATIONS

The 'Plug & Play' communications module offers universal connection for high-speed reliable data transmission including:- RS232/485, PSTN, GSM/GPRS and Ethernet. Flexible communications modules offer you full freedom of choice for deployment of new technologies.

### INTERNET DATA TRANSMISSION

Our SMART Metering Online system uses the internet as a reliable communications highway to deliver valuable meter reading data direct to your PC. Consumption data is collected from meters automatically and stored on our secure server which is backed up daily for customer's safety and peace of mind.

### DIRECT TO YOUR PC

Access your meter readings anywhere, anytime using a standard internet browser. The data can be manipulated to produce valuable reports in a graphical format to identify consumption trends. Only reliable, total availability of precise metering data provides the basis for an efficient billing process.

Energy Controls introduces a new generation of intelligent metering. SMART Metering online delivers secure, accurate remote metering reading data direct to your PC via the internet. No-one can tell what the future holds that's why with its unique modularity our SMART metering online system meets your needs for today whilst leaving you with choices for tomorrow. You decide when to equip your meters with a choice of technology to give them the communication capabilities you need.



Complete functionality + simple 'Plug & Play' modularity = SMART Metering Online

*"Intelligent metering with the highest standards of accuracy, quality & reliability form the basis of our aim to deliver enhanced customer satisfaction".*

