



The **Single Phase MultiCube**, a further model in the **MultiCube** family of panel mounting meters - measuring all the required electrical parameters in **Real Time**.

Safe to use

For maximum safety, the current input is fully isolated internally from all other parts of the circuit.

Simple to Install

Rising cage terminals accept cables up to 4mm².
Configurable for CTs up to 20,000 Amp.

Easy to Commission

Auto-commissioning ensures that reverse CT connections will not cause reading errors.

Easy to See

Clear backlit LCD display with a very wide viewing angle.

Easy to Use

Just 4 keys to select all parameters

Displayed Parameters

| Model | 1 | 2 | 3 | 4 | 5 |
|------------------|---|---|---|---|---|
| Amps & Pk Amps | 0 | 0 | 0 | 0 | 0 |
| Amp Demand | | | 0 | 0 | 0 |
| Volts & Pk Volts | 0 | 0 | 0 | 0 | 0 |
| PF | 0 | 0 | 0 | 0 | 0 |
| kW | 0 | 0 | 0 | 0 | 0 |
| kVA | | | 0 | 0 | 0 |
| kvar | | 0 | 0 | 0 | 0 |
| Frequency | 0 | 0 | 0 | 0 | 0 |
| kW Demand | | | | 0 | 0 |
| Import kWh | 0 | 0 | 0 | 0 | 0 |
| Import kvarh | | 0 | 0 | 0 | 0 |
| Export kWh | | | | 0 | 0 |
| Export kvarh | | | | | 0 |
| Total kvarh | | | | | 0 |

Internal Options

- MODBUS[®] Communications (RS485)

Retro-fit Options

- MODBUS[®] Communications (RS422/485)
- Quad Analogue Output
 - Current Quad 4 - 20mA outputs
 - Voltage Quad 0 - 4 volt dc outputs

Configuration Options

- Measurement Voltage
 - 230 V_{LN} Standard
 - 63 V_{LN} Factory Fit
 - 120 V_{LN} Options
 - 120 V_{LN} Options
 - 277 V_{LN}
- Current Inputs
 - 5 Amp Standard
 - 1 Amp Factory Fit Option
- Auxiliary Supply
 - 230 Vac ±15% Standard
 - 110 Vac ±15% Factory Fit Option

Brief Specification

General

| | |
|----------------------------------|-------------------------------------------------------------------------------|
| Display | Custom backlit supertwist LCD 3 lines of 12mm digits plus 3.8mm legends |
| Environmental Temperature | -10°C to +65°C Operating |
| Humidity | < 75% RH non-condensing |
| Programming CT Primary | 5 Amp to 20,000 Amp |
| VT Primary | 60 V to 50,000 Volt |
| Pulse Outputs | 2 |
| Function | N° 1 Import kWh N° 2 Total kvarh (Exp kWh to order) |
| Pulse Length | 100 ms |
| Isolation | 2500 Volt (50 V N° 1 to N° 2) |
| Scaling | User programmable |

| Inputs | | |
|----------------------------|---------------------|---------------------------------|
| System | | Single phase |
| Voltage | Standard | 230 Volt standard |
| | Measurement Range | 20% to 120% |
| Current | Standard | 5 Amp from external CTs |
| | Measurement Range | Fully isolated 0.5% to 120% |
| Operating Frequency | | 45 Hz to 65 Hz |
| | Harmonic Resolution | up to 20 th harmonic |
| Input Loading | Voltage | Less than 0.1VA per phase |
| | Current | Less than 0.1VA per phase |
| Overload | Voltage | x2 for 2 seconds max |
| | Current | x40 for 1 second max |
| Auxiliary Supply | | |
| Standard | | 230 V ±15% 45-65Hz |
| Optional | | 110 V. Other values to order |