

NewFound Energy

Multi-function meters



The IC970 and IC990 meters have dual pulse output [kWh and kVAh] plus enhanced measuring and display features. These powerful meters are easy to install and simple to programme.

Programming by the user is performed using the Function and other keys on the membrane pad. CT ratios from 5/5 to 5000/5 Amp can be set for this Class 1 [BS EN 61036] meter that is ideal as the basis for automatic energy monitoring and targeting systems.

The meter is a 96mm square panel mounting unit and has a large 7 digit Liquid Crystal Display providing a statement of kWh consumed. Three small numbers indicate by flashing if a reverse current flow is sensed. A square aperture 92mm wide x 92mm high is required and a depth of 89mm behind the panel.

Optically isolated, volt-free contacts provide the kWh & kVAh pulses required for energy monitoring systems with values, user selectable, of 0.1, 0.5, 1 or 10 depending on the CT ratio. Pulse length is also programmable but will typically be 100ms.

Additional features provided include display and access by MODBUS of

- Phase Voltage
- Phase Amps
- Total circuit Actual Demand in kW, kVA & kVAR
- Total circuit Maximum Demand or kW, kVA & kVAR
- Phase Instantaneous Demand in kW, kVA & kVAR
- Import energy register for kWh, kVAh & kVAh

etc



All electrical connections are made to the back of the meter. An installation and operating manual is provided at the time of supply.

The IC990 also includes harmonics monitoring on all 3 phases and neutral.

An optional 485 MODBUS communication module is available on both models.

Prices delivered UK mainland: IC970 £98.00 IC990 £193.00
for communication module add £64.00

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