

# ATLAS dual pulsing electricity meter



A multi-function panel mounting energy meter the **A40** will measure energy in 4 quadrants plus current and voltage harmonics. This meter provides more than just energy consumption information on its display. User configurable the multi-line, back-lit liquid crystal display will provide simultaneously four measurements (e.g. phases and total) plus bar graphs for each phase current.

**6 function keys** provide for access to:

- Amps for each phase **and** neutral current with average values
- Voltage for either phase to phase or phase to neutral plus frequency
- Active, Reactive and Apparent Power per phase plus total and average per phase
- Power Factor per phase and total
- Maximum of 3 latest average values of total of current and each Power total plus current and voltage harmonics per phase
- Hours run and registers [+/-] for Active, Reactive and Apparent energy

**Pulse Outputs** can be configured for up to two of kWh, kVAh or kVAh with value 0.1 to 100 kWh/kVAh/kVAh or 1 to 10 MWh/MvArh/MVAh and of duration between 100 and 900 ms.

## Specification

- 96x96x60 mm [80mm option] cube
- Connections are to readily accessible terminal blocks, fixed for current, removable for voltages
- Removable terminal blocks for auxiliary supply, pulse and analogue outputs
- Either 1 Amp or 5 Amp secondaries can be selected
- Primary range configurable to 10,000 Amps
- Voltage above 700 V ac is via secondary VT up to primary of 400 kV
- Secondary VT selectable from 60, 100, 110, 173 or 190 V ac
- Accuracy of class 1 to IEC 1036 for energy [from 100mA to 1.2A with margin of  $0.5 < PF < 1$ ]

**Options** available include

- Harmonics calculation and display including alarm storing
- RS485 communication, JBUS/MODBUS<sup>®</sup> protocol
- 2 to 4 analogue outputs 0/4-20mA configurable for Amps, Volts, Frequency, total power etc

**Prices** £282.50 for meter with dual pulse capability                      Harmonics module add £104.50  
JBUS/MODBUS module add £140.00    Analogue module add £106.50  
[A single pulse [LV circuits] unit, A20, is available at £201]

## NewFound Energy Ltd

Park View House - Worrall Street - Congleton - Cheshire CW12 1DT

Tel: [+44] 01260 290151                      Fax: [+44] 01260 290811

e-mail [sales@newfound-energy.co.uk](mailto:sales@newfound-energy.co.uk)

[www.newfound-energy.co.uk](http://www.newfound-energy.co.uk)