



ND Metering Solutions - MultiCube Modular - Summary Sheet

The MultiCube Modular Metering System is designed for applications where multiple circuits need to be monitored. Manufactured in the UK, its flexible design permits expansion of up to 20 x 3 phase or 60 x single phase circuits per Master or any combination of the two. Each module can be utilised as 2 x three phase meter points, 6 x single phase meter points, or 1 x three phase meter point and 3 x single phase meter points.

This DIN Rail mounted MultiCube system is CT operated and supplied with a 5-year manufacturer's warranty. The system requires a Master Module and up to 10 Measurement Modules, and a communications module.

Communication modules are available as RS485 Modbus, Mbus and Ethernet allowing for remote reading or connection to a BMS system. A remote display is also available allowing the master unit to be fitted within a cabinet with easy access to data through the panel mounted display.

This meter has a significant number of parameters that can be used to analyse an electrical system. It displays Import and Export Energy (kWh) to an accuracy better than class 1. In addition, Import and Export Reactive Energy (kVAh) are available along with Apparent Energy (kVAh) and Frequency (Hz).

Power (W), Apparent Power (kVA), Reactive Power (kVAh), Power Factor (pf), Current (I) and Live to Live and Live to Neutral Voltage (V) are available for individual phases and as a total.

Peak values, time averaged values and peak time averaged values are also available for Current (I) and Live to Neutral Voltage (V). Mean Demand and Peak Hold Mean Demand are available for kW and kVAh.

Specification		Measured Parameters		
Meter Type	Three Phase	Active Energy (kWh)	✓ Line Power Factor (PF)	✓
Fitting Type	DIN Rail	Active Power (W)	✓ Line Reactive Power (kVAh)	✓
Max. Current (Amps)	0.333V	Apparent Energy (kVAh)	✓ Line to Line Voltage (V)	✓
MID Approved	No	Apparent Power (VA)	✓ Line to Neutral Voltage (V)	✓
Smart	No	Average Current (I)	✓ Maximum Current (I)	✓
Input Type	Current Transformer	Average Power Demands (W)	✓ Maximum Power Demands (W)	✓
Output Type	Pulse / Modbus / Mbus / Ethernet *	Average Voltage (V)	✓ Maximum Voltage (V)	✓
Tariffs	Multiple	Current (I)	✓ Power Factor (PF)	✓
Import / Export	Import & Export	Current in Neutral (I)	✗ Reactive Energy (kVAh)	✓
Availability	Next Day	Frequency (Hz)	✓ Reactive Power (VAh)	✓
		Hours Run (hr)	✗ Total Harmonic Distortion (Amps)	✓
		Line Active Power (W)	✓ Total Harmonic Distortion (Volts)	✓
		Line Apparent Power (kVA)	✗ Voltage (V)	✓
		Line Current (I)	✓	

* Dependant on output selected

Features

- Modular design
- Din-rail mount
- 5 year warranty
- Modbus, Modbus TCP/IP, M-Bus

Benefits

- Up to 50% cost saving per meter point*
- Up to 80% reduction in cabling, connections and space*
- Future proofs expansion needs
- Minimises potential installation and commissioning errors

*Compared against 20 'Rail 350' standard 3 phase 6 module wide din-rail mount meters

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