



ND Metering Solutions Cube 400 - Summary Sheet

The ND Metering Solutions Cube 400 is a powerful panel mounted electricity meter and power monitor. Manufactured in the UK and supplied with a 5-year manufacturer's warranty, it can be supplied with either a 5A or 0.333V input and has several optional features including Modbus or Ethernet outputs or Harmonics.

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

Power (W), Apparent Power (kVA), Reactive Power (kVA), 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, kVA and kVA.

As standard the Cube 400 comes with 2 pulse outputs for kWh and kVArh; both are configurable for both duration and rate.

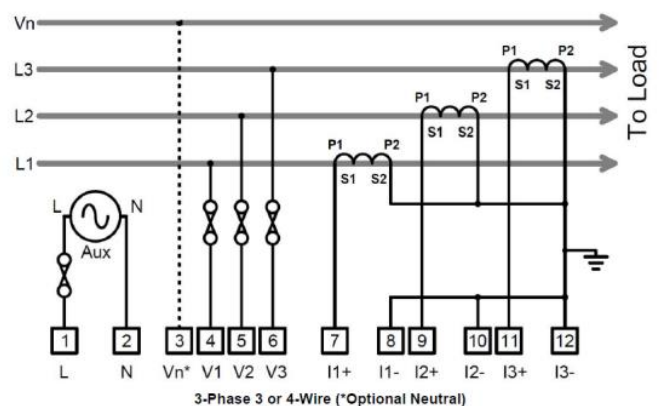
Specification		Model Variants	
Meter Type	Three Phase	TPPND400 *	5A with Pulse
Fitting Type	Panel Mount	TPPND400M *	5A with Modbus
Max. Current (Amps)	5A / 0.333V *	TPPND400MH	5A with Modbus & Harmonics
MID Approved	No	TPPND400IP *	5A with Ethernet
Smart	No	TPPND400V	0.333V with Pulse
Input Type	Current Transformer	TPPND400VM	0.333V with Modbus
Output Type	Pulse / Modbus / Ethernet *	TPPND400VMH	0.333V with Modbus & Harmonics
Tariffs	Single	TPPND400VIP	0.333V with Ethernet
Import / Export	Import & Export	* Available next working day	
Availability	See Model Variants		

* Dependant on model selected

Measured Parameters		Wiring Diagram	
Active Energy (kWh)	✓	Line Power Factor (PF)	✓
Active Power (W)	✓	Line Reactive Power (kVA)	✓
Apparent Energy (kVAh)	✓	Line to Line Voltage (V)	✓
Apparent Power (VA)	✓	Line to Neutral Voltage (V)	✓
Average Current (I)	✓	Maximum Current (I)	✓
Average Power Demands (W)	✓	Maximum Power Demands (W)	✓
Average Voltage (V)	✓	Maximum Voltage (V)	✓
Current (I)	✓	Power Factor (PF)	✓
Current in Neutral (I)	✗	Reactive Energy (kVArh)	✓
Frequency (Hz)	✓	Reactive Power (VA)	✓
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 model selected

Wiring Diagram



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