



ND Metering Solutions Cube 650 - Summary Sheet

The ND Metering Solutions MultiCube 650 is manufactured in the UK and comes with a 5-year manufacturer's warranty. This 96x96mm panel mounted electricity meter and power monitor has 0.333V Current Sensor input and has a programmable VT input.

This meter has a significant number of parameters that can be used by energy managers and electrical engineers to analyse a power system. It displays Import and Export Energy (kWh) to an accuracy better than class 1, (class 0.2 model available). In addition, Import and Export Reactive Energy (kVarh) are available along with Apparent Energy (kVAh) and Frequency (Hz).

Power (W), Apparent Power (kVA), Reactive Power (kVar), Power Factor (pf), Current (I) and Live to Live and Live to Neutral Voltage (V) are available for individual phases and as a total. The THD optional add on includes Total Harmonic Distortion for Volts and Current on individual harmonics between the 2nd and 15th.

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 kVar.

As standard the MultiCube 650 comes with 4 pulse outputs; 3 for kWh and 1 for alarms, all of which are configurable for both duration and rate. In addition, Modbus and Ethernet Output models are available

Specification

Measurement Type	2 x Three Phase, 6 x Single Phase or any combination
Fitting Type	Panel Mount
MID Approved	No
Smart	No
Input Type	Current Transformer
Output Type	Pulse / Modbus / Ethernet *
Tariffs	Single
Import / Export	Import & Export
Availability	See Model Variants

* Dependant on model selected

Model Variants

TPPND650	Pulse Output
TPPND650M *	Modbus Output
TPPND650MH	Modbus Output & Harmonics
TPPND650.2	Class 0.2 with Modbus Output
TPPND650IP	Ethernet Output

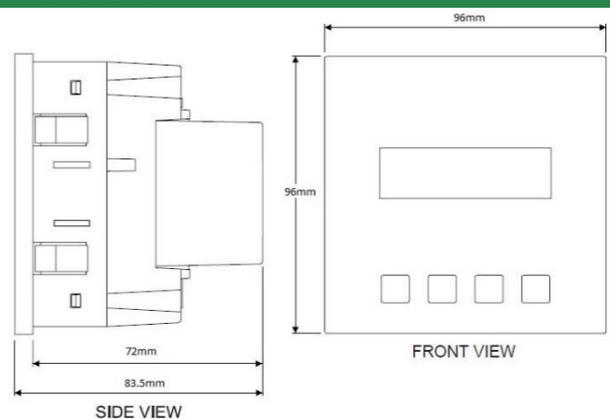
* Available next working day

Measured Parameters

Active Energy (kWh)	✓	Line Power Factor (PF)	✓
Active Power (W)	✓	Line Reactive Power (kVar)	✓
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 (VAr)	✓
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

Dimensions



Web: www.spwales.com | Email: sales@spwales.com | Phone: 01803 295430 | Fax: 01803 212819

While Stephen P Wales Ltd has made every reasonable effort to ensure the accuracy of this information, Stephen P Wales Ltd does not guarantee that it is error-free, nor does Stephen P Wales Ltd make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. Stephen P Wales Ltd reserves the right to make any adjustments to the information contained herein at any time without notice.