



## ND Metering Solutions MultiCube 650mV with Modbus & Harmonics - Summary Sheet

### Summary

The MultiCube 650V is a hugely innovative meter. It can be configured to measure 2 x 3 phase supplies, 6 x single phase supplies or a mix of three phase and single phase supplies. It has been designed to meet the requirements of both energy managers and electrical engineers.

It is a 96x96mm panel mounted electricity meter and power monitor. It is CT operated and has a programmable VT input. Note the standard build is for a Current Transformer with a 0.333V output.

The ND Metering Solutions series of meters are the only range on the market that are manufactured in the UK and come with a 5-year warranty.

This meter has a significant number of parameters that can be used to analyse a power system. It displays Import and Export Energy (kWh) to an accuracy better than class 1. 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 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 MultiCube650 comes with RS485 Modbus and 4 pulse outputs; 3 for kWh and 1 for alarms, all of which are configurable for both duration and rate.

N.B. This meter can be pre-wired into an enclosure. [Click here](#) to see our full range of Enclosures, or [click here](#) to find out more about our Pre-Wiring Service.

**Product Code**

**Meter Type**

**Fitting Type**

**Max Current (Amps)**

**MID Approved**

**Smart**

**Input Type**

**Output Type**

**Tariffs**

**Import / Export**

**Availability**

**Condition**

**Brand**

**Country of Manufacture**

**TPNCUBE650H**

**Three Phase**

**Panel Mounted**

**n/a**

**No**

**No**

**Current Transformer (0.333V)**

**RS485 Modbus & Pulse**

**Single**

**Import & Export**

**5 Day**

**New**

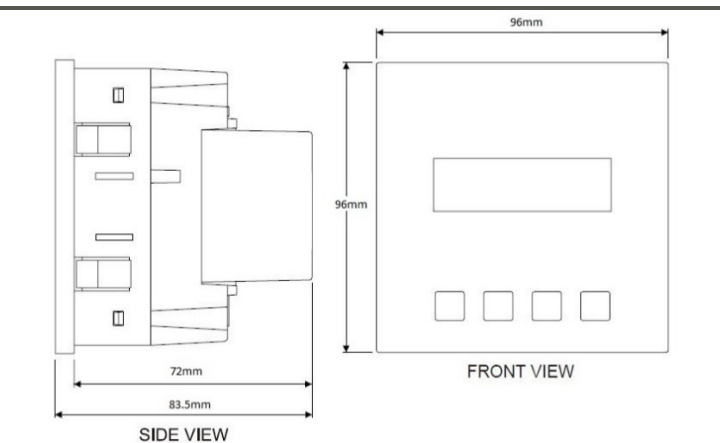
**ND Metering Solutions**

**UK**

### 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)	✓		

### Dimensions



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