



S. P. Wales Ltd

Electrical Metering Specialists



Voltaris VDT45M - Summary Sheet

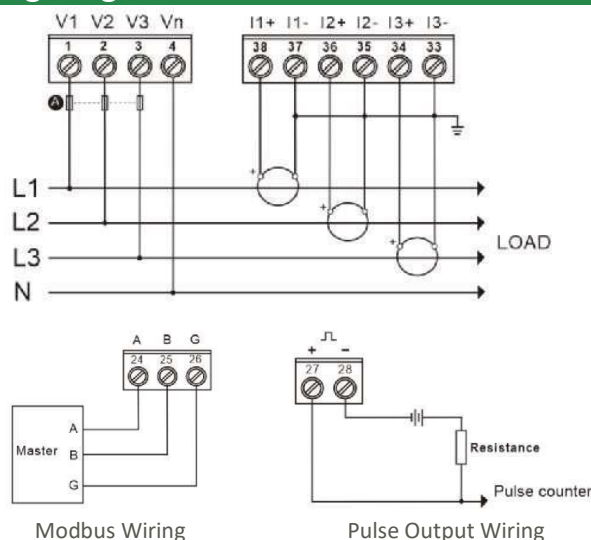
The VDT45M from Voltaris Metering is a three phase, CT operated DIN Rail energy meter, compatible with current transformers with a 5A secondary. This feature rich model can measure Imported & Exported Active Energy (kWh) and Reactive Energy (kVArh) as well as a host of other common parameters, including Current (I), Active Power (W), Frequency (Hz) and Voltage (V).

This highly accurate meter, (Class C ($\pm 0.5\%$)), is MID approved, making it suitable for billing applications. It features a back lit display for easy reading, and the four touch buttons can be used to scroll through parameters and to change settings. It offers a configurable pulse output as well as RS485 Modbus communication, making it suitable for integration into compatible dataloggers or building management systems.

Specification

Meter Type	Three Phase
Fitting Type	DIN Rail
Max. Current (Amps)	5
MID Approved	Yes
Smart	No
Input Type	CT Operated
Output Type	Modbus / Pulse
Tariffs	Single
Import / Export	Import & Export
Accuracy Class	Class C ($\pm 0.5\%$)
Module Width	4
Availability	Next Day

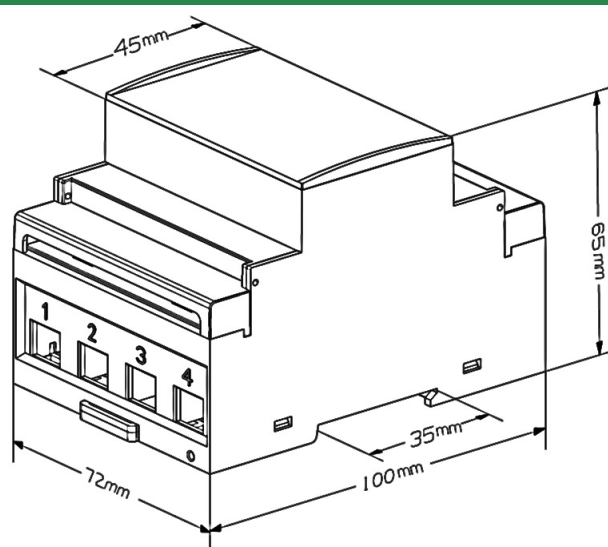
Wiring Diagram



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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