Vantor VM-53

Three Phase Power Meter 0.5S, 96 x 96 Panel

The Vantor VM-53 is a compact 96 x 96 mm three-phase digital power meter for switchboards and motor control centres. Choose the VM-53I for current-only, the VM-53U for voltage-only, or the VM-53E full multifunction version that measures voltage, current, frequency, kW, kvar, kVA, power factor, four-quadrant energy, maximum and minimum values, run time and harmonics to the 31st order. All versions communicate over RS485 Modbus RTU and can be fitted with a 4-20 mA output, temperature input or 2 DO / 2 DI options.

Packed and sold in boxes of 10.



Key Features

- VM-53E: U, I, f, kW, kvar, kVA, PF, four-quadrant energy, max/min, total run time, 2nd - 31st harmonics
- VM-53I current meter and VM-53U voltage meter for simple panel indication with Modbus
- Class 0.5S active energy; U and I within 0.2%
- RS485 Modbus RTU standard; optional second Modbus loop or Profibus-DP
- Optional 4-20 mA analogue output (-A), temperature input (-T), 2 DO (-R), 2 DI (-K)
- LCD display, 96 x 96 mm panel mount
- Wide-range supply 85 - 305 V AC / 70 - 430 V DC

Technical Specifications

- Model: VM-53 series (select version below)
- Accuracy: active energy Class 0.5S; U/I +/-0.2%, P +/-0.5%, f +/-0.02 Hz
- Voltage: 57.7/100, 220/380 or 380/660 V; range 50 - 270 V L-N
- Current input: 5 A (1 - 6 A) standard; 1 A optional
- Harmonics: 2nd - 31st (VM-53E)
- Communication: RS485 Modbus RTU
- Options: -A 4-20 mA, -T temperature, -R 2 DO, -K 2 DI, -P Profibus-DP, -C second Modbus loop
- Dimensions: 96 x 96 mm panel mount
- Auxiliary supply: 85 - 305 V AC / 70 - 430 V DC, < 3 VA; -25 to +70 degC

Ordering information

Order code	Description
VM-53I	VM-53I - three phase current meter
VM-53U	VM-53U - three phase voltage meter
VM-53E	VM-53E - full multifunction power & energy