Vantor VM-75

Class 0.2S Power Quality Analyzer, 63rd Harmonic

The Vantor VM-75 is a Class 0.2S panel-mount power quality analyzer for main incomers, generator and solar tie-ins and sensitive process plant. Beyond full three-phase energy and power measurement it records harmonics to the 63rd order, THD, voltage and current unbalance, fluctuation and flicker, frequency deviation, sags, swells and interruptions, with four tariffs and maximum demand, so you can diagnose power quality problems and bill accurately from the same instrument. Optional plug-in modules add digital I/O, PT100 temperature, 4-20 mA analogue output, a second Modbus loop or Profibus-DP.

Packed and sold in boxes of 10.



Key Features

- Class 0.2S active energy, 0.2 voltage and current accuracy
- Harmonics 2nd - 63rd with THD; unbalance, fluctuation, flicker, frequency deviation
- Sag, swell and interruption event records (50 events each)
- Four-quadrant energy, 4 tariffs, maximum demand
- RS485 Modbus RTU standard; optional second Modbus loop or Profibus-DP
- Optional 4 DI, 4 DO, PT100 temperature input and 4-20 mA analogue output modules
- 96 x 96 mm panel mount with LCD
- Wide auxiliary supply 85 - 265 V AC / 80 - 310 V DC

Technical Specifications

- Model: VM-75 (5 A CT input, 1 x RS485 Modbus RTU standard)
- Accuracy: U 0.2, I 0.2, P 0.2S, active energy Class 0.2S
- Voltage input: 57.7/100 V, 220/380 V or 380/660 V
- Current input: 5 A (1 - 6 A) standard; 1 A (0 - 1.2 A) optional
- Harmonics: 2nd - 63rd, THD
- Communication: RS485 Modbus RTU (1 loop standard)
- Options: -K 4 DI, -R 4 DO, -T temperature input, -A 4-20 mA output, -P Profibus-DP, -C second Modbus loop
- Dimensions: 96 x 96 mm panel cut-out
- Auxiliary supply: 85 - 265 V AC / 80 - 310 V DC, < 3 VA

Optional add-on modules: 4 DI (-K)DO (-R)temperature input (-T)-20 mA output (-A)Profibus-DP (-P)second Modbus loop (-C). 1 A current input available on request.

Ordering information

Order code	Description
VM-75	Class 0.2S Power Quality Analyzer, 63rd Harmonic