# Vantor VM-D50MT

## Three Phase DIN Rail Meter, 100A Direct, Multi-Tariff

Vantor VM-D50MT MID-approved three-phase DIN rail energy meter with 100A direct connection, RS485 Modbus RTU, THD measurement and four tariffs across eight time segments. The multi-tariff version of the VM-D50M, for time-of-use billing on 1P2W, 2P3W, 3P3W and 3P4W networks.




## Key specifications

- MID approved (EN 50470-3:2022), Class 0.5 active / Class 2 reactive
- 3×230/400V AC (85–276V L-N, 85–480V L-L), 45–65Hz
- 0.15–100A direct input per phase, rated 5A, 30× overload for 0.01s
- 1P2W / 2P3W / 3P3W / 3P4W network configurations
- 4 tariffs, 8 time segments
- Bi-directional import/export active and reactive energy, four-quadrant
- Voltage and current THD measurement
- Maximum demand with configurable demand period and sliding window
- Multifunction: V, A, W, var, VA, kWh, kvarh, PF, frequency
- RS485 Modbus RTU / DL/T645-2007, 1200–38400bps, up to 64 devices, 1000m
- 1 configurable pulse output, pulse LED 400 imp/kWh
- Large backlit LCD with touch buttons, password protection
- 4 modules (72mm) TH35-7.5 DIN rail, IP51 display / IP30 body
- –25°C to +55°C operating, 4kV AC insulation, CAT III

## Ordering information

| Order code | Description |
|---|---|
| VM-D50MT | Three Phase DIN Rail Meter, 100A Direct, Multi-Tariff |