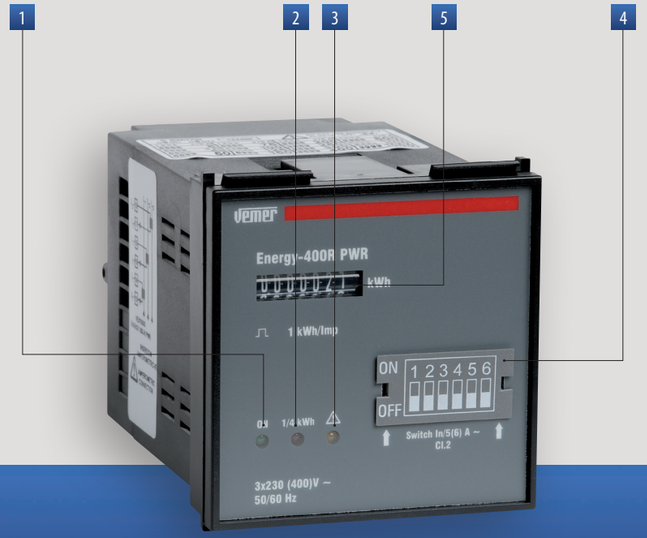
ENERGY-400R PWR
ENERGY-400R PWR*i*

Static meters to view the consumption of active energy in 400 V three-phase systems.

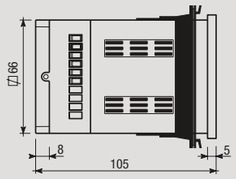


1 Green LED: power ON
2 Red LED: energy consumption
Each flash = 1/4 kWh
3 Yellow LED: connection error
4 Transformation ratio selector: the choice of the CT is by selecting the dip-switches placed under the front cover
5 Non zereoable mechanic numerator

DIMENSIONS (mm)

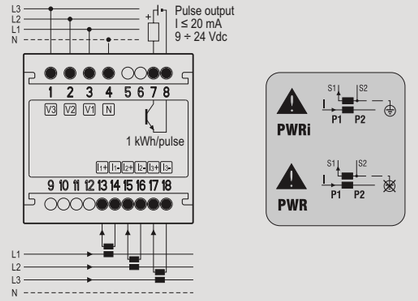
Front view

Side view

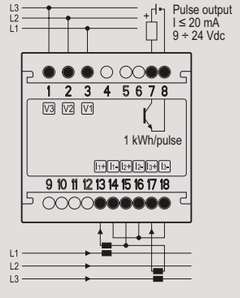


CONNECTION DIAGRAM

Diagram



Connection with 3 CT (**PWR/PWR*i***) WITH or WITHOUT neutral (3 or 4 wires)



Connection with 2 CT (**PWR*i*** only) WITHOUT neutral (3 wires)

THREE-PHASE METERS WITH CT CONNECTION

- Power supply: 3x230 phase-neutral (400 phase-phase) V AC (-15% ÷ +10%)
- Optoisolated pulse output
- Static meter to view the consumption of active energy, with amperometric connection through CT x/5A
- CT transformation ratios selectable via dip-switch, from a minimum of 5 A to 1000 A
- Possibility of connection in three-phase and three-phase + N systems
- Pulse output for PC view of the consumed energy, through specific software and relevant concentrator module
- PWR*i* version with electrically insulated amperometric input (the CT secondary circuit can be earthed)
- Container 72x72 mm

Note: when connecting the instrument, the transformation ratio of the CT, must correspond exactly to the ratio described above, selectable on the instrument

Code	Model	Description
VE010500	Energy-400R PWR	Three-phase energy meter
VE011300	Energy-400R PWR*i*	Insulated three-phase energy meter

GENERAL CHARACTERISTICS

Power supply		V AC	3x230 (400)
Frequency		Hz	50 / 60
Electromechanic numerator			7 digits
Reading resolution		kWh	1
Precision		Active energy	Class 1 (EN 62053-21)
Absorption	Voltmetric circuit	VA	<2.5
	Amperom. circuit	VA	<2.5
Nominal current		A	5
Maximum current		A	6
Degree of protection		IP	20

Minimum starting current		mA	15
Optoisolated pulse output	Pulse rate	kWh	1
	Pulse duration	ms	100
	Pulse voltage	V DC	9 ÷ 24
	Output current	mA	<20
Operating temperature		°C	-10 ÷ +45
Storage temperature		°C	-20 ÷ +60
Container		mm	72x72
Humidity			10 ÷ 90% non condensing

REFERENCE STANDARDS

Compliance with Community Directives: 2014/35/EU (LVD) and 2014/30/EU (EMCD) is declared with reference to the following Standards: EN 61010-1 • EN 61000-6-2 / EN 61000-6-4