

Energy meters

ENERGY-230R TAI

DIMENSIONS (mm)

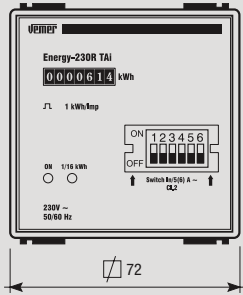
CONNECTION DIAGRAM

Static meter sized 72x72 to view the consumption of active energy in 230 V single-phase systems. The current connection must be via external CT of the x/5 A type.

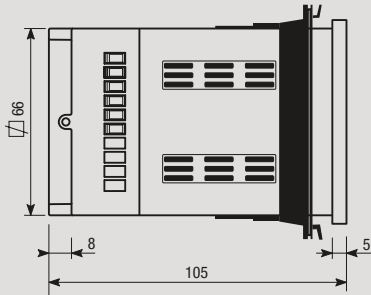


- 1 Green LED: power ON
- 2 Red “flashing” LED: active energy consumption
Each flash = 1/16 kWh
- 3 Transformation ratio selector: the choice of the CT is by selecting the dip-switches placed under the front cover
- 4 Electromechanic numerator with 7 digits

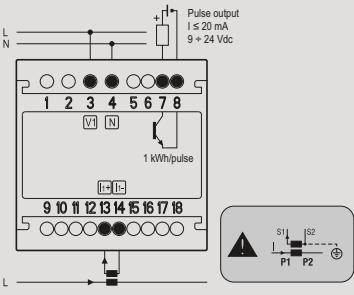
Front view



Side view



Diagram



MEASUREMENT AND CONTROL

SINGLE-PHASE METER WITH CT CONNECTION

- Power supply: 230 V (-10% ÷ +15%)
- Frequency: 50/60 Hz
- Static meter with amperometric connection through CT x/5A
- CT transformation ratios selectable via dip-switch, from a minimum of 5 A to 1000 A
- Container 72x72 mm
- Pulse output for PC view of the energy consumed, through specific software and relevant concentrator module
- Electrically insulated amperometric input (the CT secondary circuit can be earthed)

Code	Model	Description
VE012100	Energy 230R TAI	Insulated single-phase energy meter

TECHNICAL INFORMATION

GENERAL CHARACTERISTICS

Power supply		V AC	230 (-15 ÷ +10%)
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	-25 ÷ +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