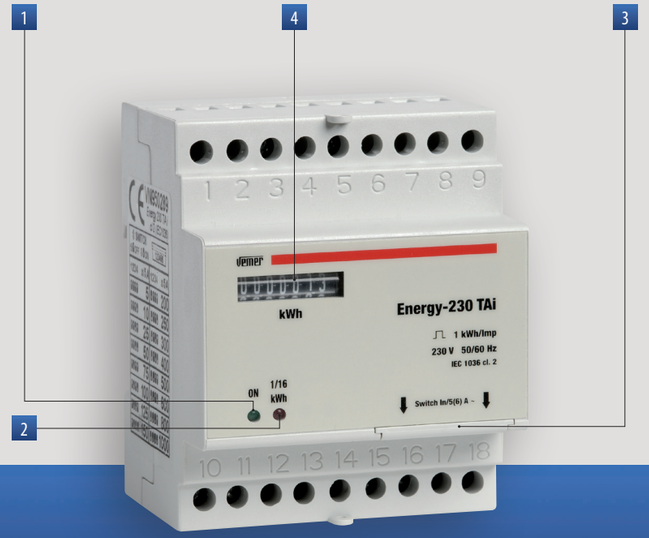
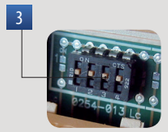
ENERGY-230 TA*i*

Static meter to view the consumption of active energy in 230 V single-phase systems.

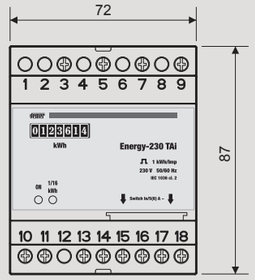


1 Green LED: power ON
2 Red "flashing" LED: active energy consumption
(Each flash = 1/16 kWh)
3 Transformation ratio selector: the choice of the CT
is by selecting the dip-switches placed under the front cover
4 7 digits electromechanical numerator for energy consumption

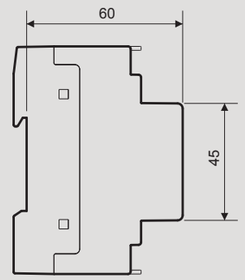


DIMENSIONS (mm)

Front view

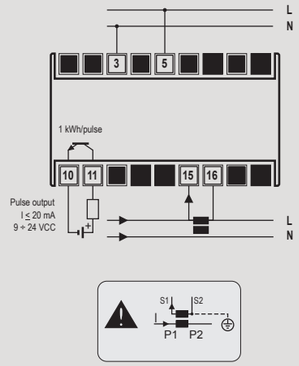


Side view



CONNECTION DIAGRAM

Diagram



SINGLE-PHASE METER WITH CT CONNECTION

- Power supply: 230 V (-10% ÷ +15%)
- Amperometric connection through CT x/5 A
- Selectable transformation ratios (for TA x/5 A)
  5-10-25-50-75-100-125-150-200-250-300-400-
  500-600-800-1000/5 A
- Optoisolated pulse output for PC view of the energy consumed,
  through specific software (Energy-view) and relevant concentrator module (CLIP-485)
- Electrically insulated amperometric input (the CT secondary circuit can be earthed)

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	Dimensions
VN950289	Energy-230 TA*i*	Single-phase energy meter with insulated amp.	4 DIN modules

TECHNICAL INFORMATION

GENERAL CHARACTERISTICS

Power supply		V AC	230 (-15 ÷ +10%)
Frequency		Hz	50 / 60
Absorption	Voltmetric circuit	VA	<2.5
	Amperom. circuit	VA	<2.5
Electromechanic numerator			7 digits
Reading resolution		kWh	1
Precision		Active energy	Class A (EN 50470)
Nominal current		A	5
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 ÷ +70
Container			4 DIN modules

REFERENCE STANDARDS

Compliance with Community Directives: 2004/22/EC (MID) and 2014/35/EU (LVD)
is declared with reference to the following harmonized Standards: EN 61010-1 • EN 50470-1 and EN 50470-3