

Energy meters

ENERGY-400D PWR ENERGY-400D PWRi

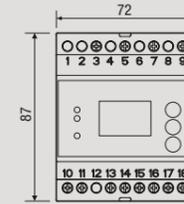
Static meters to view the consumption of active energy in 400 V three-phase systems.



- 1 Non zeroable total energy meter
- 2 Zeroable partial energy meter
- 3 Green LED: power ON
- 4 Red LED: energy consumption
Each flash = 1/4 kWh
- 5 Yellow LED: connection error
- 6 Programming buttons

DIMENSIONS (mm)

Front view

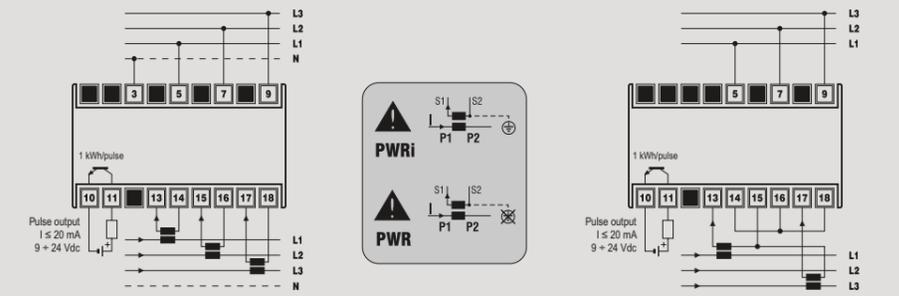


Side view



CONNECTION DIAGRAM

Diagram



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

Connection with 2 CT (PWRi 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
- Possibility of connection in three-phase and three-phase + N systems
- Container 4 DIN modules
- Pulse output for PC view of the consumed energy, through specific software and relevant concentrator module
- PWRi version with electrically insulated amperometric input (the CT secondary circuit can be earthed)
- 7+5 digits LCD display
- CT setting from 5/5 A to 1000/5 A with step 5 A

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



TECHNICAL INFORMATION

GENERAL CHARACTERISTICS

Power supply	V AC	3x230 (400)
Frequency	Hz	50 / 60
LCD numerator		7 + 5 digits
Reading resolution	kWh	1
Precision	Active energy	Classe 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		IP20 / 21 on the front

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
Humidity		10 ÷ 90% non condensing

Code	Model	Description	Dimensions
VE119400	Energy-400D PWR	Three-phase active energy meter with pulse output	4 DIN modules
VE120200	Energy-400D PWRi	Three-phase active energy meter with insulated amp. inputs and pulse output	4 DIN modules

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