



PRIMATA
Tecnologia Eletrônica

Technical Specifications

P17

Single-Phase Bidirectional Load



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Presentation

The **Single-Phase Bidirectional Load P17** is a **lightweight, portable**, three-wire equipment used to checking the operation and testing electric power meters installed in service ports of consumer units.

It was developed by **PRIMATA ELETRÔNICA** with the objective of simplifying the field tests and trials carried out by the concessionaires and energy licensees in **meters**, when there is no customer consumption (no load) or when the load is very low, in the **direct and/or reverse energy** directions.



Applications

- ✓ Verification of the functioning of electric energy meters, including tests in the direct and/or reverse energy directions;
- ✓ Fixed load tests for meter activation, seeking to identify defects or frauds (in this case it is used as a load in conjunction with other deviation analyzers, not supplied with this equipment);

Benefits

- ✓ Safety in the installation of the load for quick testing of the meters;
- ✓ Supplied with 1.3m flexible cable (2.5 mm²) with protected 4mm banana plug, and sets of detachable **Needle and Dolphin Clips**;
- ✓ On/Off pushbutton with power selection (min. and max.);
- ✓ Pushbutton with energy direction selection (consume or inject);
- ✓ Status indicator;
- ✓ Overvoltage-protection board, protection against overcurrent and incorrect installation with fuses of 0,5A for overvoltage-protection board and 30A for power board;
- ✓ No temperature variation;
- ✓ Case and Handle for manipulation and transport;
- ✓ 1 year factory warranty;

Technical Features

Supply Voltage (Neutral/Phase)	100 to 240 Volts ±10%
Nominal Frequency	60Hz
Status Indicator	Yes
Overvoltage-protection Board	Yes
Power Selection (Minimum and Maximum)	Yes
Energy Direction Selection (Consume or Inject)	Yes
Overvoltage-protection Board Fuse	0.5A
Power Board Fuse	30A (ceramic)
Weight	1.9 kg
Dimensions	90 x 150 x 190 mm
Level of protection	IP52

Approximate Power Ranges¹

Voltage (V)	Power Switch	Power (W)	Current (A)	Consumption (VA)
127	Minimum	500	4	2,8
	Maximum	1.000	8	10
220	Minimum	1.700	8	10
	Maximum	3.500	16	30

¹ The minimum and maximum powers can vary up to 20% depending on the conditions of the electrical contact and connectors used.

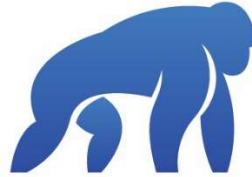


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