

Power Meter

Single-phase and three-phase MID Certified

Single-phase power meter with
direct insertion – RS485

mod. PRO1

Three-phase power meter with
direction insertion – RS485

mod. PRO380

Three-phase power meter with
external TA – RS485

mod. PRO380-CT



Available measurements: Current, Voltage, Apparent, Active, Reactive Power, total and bidirectional Energy, Frequency, Cos, Totalizers for each bidirectional power, light pulse output S0

Technical Data Sheet

	PRO1-MOD	PRO380-DC-MOD	PRO380-CT-MOD
MODULE DIMENSION	116x63x17,5 mm	140x63x70 mm	
ASSEMBLY	DIN rail		
ACCURACY	IN ACCORDANCE WITH EN50470-3		
ACTIVE ENERGY	+/- 1 %		
MINIMUM CURRENT	0,05 Ib		
BASIC CURRENT (Ib)	5 A		1,5 A
MAXIMUM CURRENT (Imax)	45 A	100 A	6 A
WOEKING CURRENT	0,4%Ib...Imax		
OVERCURRENTS	30 I max per 0,01 sec		
NOMINAL CURRENT(Un)	230V AC	230/400V AC	
WORKING VOLTAGE	100/173V...270/468V		
OVERVOLTAGES	4KV for one minute		
IMPULSIVE OUTPUT SO	Configurable duration (T-on: 45ms, T-off: 270ms, T-t: 140us)		
FREQUENCY	45...60Hz		
HUMIDITY	<= 75% (< 95% for storage)		
WORKING TEMPERATURE	-25°C...55°C	-40°C...70°C	-25°C...55°C
STORAGE TEMPERATURE	-30°C...70°C	-40°C...70°C	-30°C...70°C
CONSUMPTION	<2W...<10VA		
IP PROTECTION	51		
PROGRAMMING	Via INFRARED		

THE MID DIRECTIVE

Implemented nationally with Legislative Decree 22/2007 is one of the new approach directives adopted by the European community.

The objective of this approach is the definition of shared and common technical rules, which allow the instruments to move freely within the community. The instruments that fall within this standard have the CE marking, and it is important to underline that the directive relates exclusively to the phases of design and production of measuring instruments.