

## Power Meter

Three-phase network analyzer - 17,5mm

**The smallest three-phase network Analyzer capable in managing any type of current sensors.**

Ready to be integrated in the acquisition and monitoring systems.  
RS485 Modbus RTU output and configurable digital contact.  
Universal input for Amperometric transformers and three versions to satisfy any measurement requirement.



### Technical Data Sheet

MODEL	QE-POWER-T		
CURRENT ENTRY	1 A / 5 A Sonde di Rogowski 0...333mV		
TECHNICAL DATA	STANDARD	PLUS	
POWER SUPPLY	10...40 V DC o 19...28 V AC - 50/60Hz		
CURRENT ENTRY	Direct connection up to 500V RMS maximum (40...70Hz) Transformation ratio for configurable Current and Voltage Transformers		
OUTPUTS	RS485 Modbus RTU e Digital Contact (< 40 V, <100mA)		
AVAILABLE DIMENSIONS	I rms, V rms I pk, V pk for each phase P, P1, P2, P3: Active power (W) Q, Q1, Q2, Q3: Reactive power (VAR) S, S1, S2, S3: Apparent power (VA) Frequency Power Factor, total and per phase (Inductive/Capacitive) Energy (kWh), total and per phase Bidirectional Energy (kWh), positive and negative and per phase and total Active and Reactive Energy (kVARh), Inductive/Capacitive total and per phase Peak Factor, total and per phase		
	-	Tanφ phase and medium (Inductive /Capacitive) Medium, total and per phase Power Factor	
	-	Power Distortion Factor (Inductive/Capacitive) per phase and medium	
	-	THD (V, I)	
	-	Minimum, medium and maximum Powers, per phase and total	
	-	Phase sequence control	
	-	Maximum Requirement at 15 minutes, per phase and total Storage (monthly) of the achieved maximum Requirement (Month, Day, Hour, Minutes), total and per phase Time beyond configurable threshold, per phase and total	
	-	K Factor (in accordance with IEEE Standard 1100-1992)	
	-	-	Harmonic analysis up to the 63 rd order
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	-	-	SAG / SWELL - Voltage Dips

## Other features

Accuracy ( @25°C, 50Hz)	QE-POWER-M
VOLTAGE (Un: 230/400 V)	+/- 0,5% RDG ( 10...100% Un )
CURRENT (In= 5A)	+/- 0,5% RDG ( 5...100% In )
FREQUENCY	+/- 0,1 Hz da 40 a 70Hz;
POWER	ACTIVE: +/- 0,5% RDG ; REACTIVE : +/- 0,5% RDG
ENERGY	ACTIVE: Class C in accordance with Norm EN50470-1/3 or Class 0,5 S in accordance with Norm EN62053-22 REACTIVE: Class 0,5 S in accordance with Norm EN62053-24

ABSORPTION	< 500mW @ 24V DC
SAMPLING SPEED	6400 Hz @ 50Hz
BAUDRATE RS485	da 1200...115200 Baud (standard 9600 )
THERMAL DRIFT	< 100ppm/°C
WORKING TEMPERATURE	-10°C...+60°C
STORAGE TEMPERATURE	-20°C...+85°C
RELATIVE HUMIDITY	10... 90% non-condensing
HEIGHT	Up to 2000m a.s.l.
FASTENING SYSTEM	On DIN rail, arranged for assembly with T-BUS connection
CONNECTORS	n°4 removable terminals: n°2 two poles 3,5mm pitch, n°1 two poles 5,08mm pitch passo 3,5mm
DIMENSIONS	93 x 17,5 x 68,3 mm (excluded terminals)
WEIGHT	60 gr.
DIP-SWITCH	Two poles ( Baudrate and Address) for the connection with an EASY configurable software passo 3,5mm
LED	N°5: Power (Green), Comm (Yellow), TX and RX (Red), Digital Contact (Green)
REGULATORY REFERENCES	EN61000-6-2; EN61000-6-4; EN61000-4-2; EN61000-4-3; EN61000-4-4; EN61000-4-5; EN61000-4-6; EN61010-1; EN61010-2-30

