THREE PHASE NETWORK ANALYZER - 17,5 mm

Compliant to POWER QUALITY REQUIREMENT
ALL-IN ONE Current Transformers Input

QE-POWER-T

The smallest three phase network analyzer for all current probes.
Ready to be connected with your Monitoring/Datalogger system.
RS485 Modbus RTU and configurable digital contact available.
All in one Current Transformers input and three versions to cover all of your needs.

Model	QE-POWER-T
CURRENT INPUT	1/5 A 0...333mV Rogowski probe

Versions	STD	PLUS	PRO
POWER SUPPLY	10...40 V DC o 19...28 V AC - 50/60Hz		
VOLTAGE INPUT	Direct connection up to 500V RMS maximum (40...70Hz)		
	Transform Ratio for CT and VT available		
OUTPUT	RS485 Mobus RTU and Digital Contact (<40 V, <100mA)		
AVAILABLE MEASURE	**I rms, V rms** **I pk, V pk per phase** **P, P_1, P_2, P_3 : Active Power (W)** **Q, Q_1, Q_2, Q_3 : Reactive Power (VAR)** **S, S_1, S_2, S_3 : Apparent Power (VA)** **Frequency** **Power Factor total and per phase (Inductive / Capacitive)** **Energy (kWh) total and per phase** **Bidirectional Energy (kWh), positive and negative per phase and total** **Active and Reactive Energy (kVARh) - (Inductive / Capacitive) total and per phase** **Crest Factor total and per phase**		
		Tanφ, per phase and average (inductive/Capacitive) **Power Factor average, total and per phase**	
		Power Factor Distortion (inductive/Capacitive) per phase/avg	
	-	**THD (V, I)**	
		Power measurement : min, average and max per phase and total	
	-	**Monitoring phase sequence**	
		Max Demand over 15minutes, total and per phase **Time at which arises max demand (per month), total and per phase** **Time above a threshold, total and per phase**	
		K Factor (IEEE Standard 1100-1992)	
	-	-	**Harmonics Analisys up to 63th**
	-	-	**InterHarmonics Analysis up to 63th**
	-	-	**SAG / SWELL -Voltage interruption**

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

Other features:	
ABSORPTION	< 500mW @ 24V DC
SAMPLING RATE	6400 Hz @ 50Hz
BAUDRATE RS485	from 1200...115200 Baud (standard 9600)
THERMAL DRIFT	< 100ppm/°C
WORKING TEMPERATURE	-10°C...+60°C
STOCK TEMPERATURE	-20°C...+85°C
RELATIVE HUMIDITY	10... 90% not condensing
ALTITUDE	Up to 2000 m s.l.
FIXING SYSTEM	On DIN rail , ready to be mounted on T-BUS system
CONNECTIONS	n°4 removable connectors: 2, 3, 6 poles 3,5mm step, 4 poles 5,08mm step
DIMENSIONS	93 x 17,5 x 68,3 mm (without connectors)
WEIGHT	60 gr.
DIP-SWITCH	2 poles (Baudrate and Address) for connection with the configuration software FACILE
LED	N°5 : Power (Green), Comm (Yellow), TX e RX (Red), Digital contact (Green)
STANDARD 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