

# 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 or 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 or Digital Contact (0...3,3 V, 50mA max)		
AVAILABLE MEASURE	<p>I rms, V rms I pk, V pk per phase P, P<sub>1</sub>, P<sub>2</sub>, P<sub>3</sub> : Active Power ( W ) Q, Q<sub>1</sub>, Q<sub>2</sub>, Q<sub>3</sub> : Reactive Power ( VAR ) S, S<sub>1</sub>, S<sub>2</sub>, S<sub>3</sub> : 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</p>		
		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 Analisis up to 63 <sup>th</sup>	
-	-	InterHarmonics Analysis up to 63 <sup>th</sup>	
-	-	SAG / SWELL -Voltage interruption	

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Accuracy	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	<b>ACTIVE</b> : +/-1%RDG ; <b>REACTIVE</b> : +/-2% RDG	
ENERGY	<b>ACTIVE</b> : Class B according to EN50470-1/3 or Class 1 according to EN62053-23 <b>REACTIVE</b> : Class 2 according to EN62053-23	

Other features:	
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.
ENCLOSURE	PBT, grey
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	EN 61000-6-3; EN61000-4-2; EN61000-4-3; EN61000-4-4; EN61000-4-5; EN61000-4-6; EN61010-1; EN61010-2-30

