# QE-POWER-T
## THREE PHASE NETWORK ANALYZER - 17,5 mm

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

The smallest three phase network analayzer 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<br>0...333mV<br>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<br>Digital Contact (<40 V, <100mA) | | |
| AVAILABLE MEASURE | I rms, V rms<br>I pk, V pk per phase<br>P, P$_1$, P$_2$, P$_3$ : Active Power ( W )<br>Q, Q$_1$, Q$_2$, Q$_3$ : Reactive Power (VAR)<br>S, S$_1$, S$_2$, S$_3$ : Apparent Power (VA)<br>Frequency<br>Power Factor total and per phase (Inductive / Capacitive)<br>Energy ( kWh) total and per phase<br>Bidirectional Energy (kWh), positive and negative per phase and total<br>Active and Reactive Energy (kVARh) – ( Inductive / Capacitive ) total and per phase<br>Crest Factor total and per phase | | |
| | | Tanφ, per phase and average (inductive/Capacitive)<br>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<br>Time at which arises max demand (per month), total and per phase<br>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 |

# QE-POWER-T
## THREE PHASE NETWORK ANALYZER - 17,5 mm

| Accuracy (@25°C, 50Hz) | QE POWER-T |
|---|---|
| VOLTAGE | +/- 0,5% RDG ( 10...100% Un ) |
| CURRENT | +/- 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 |