

# BIDIRECTIONAL ENERGY METER

## QE-POWER-T SERIE



**CURRENT INPUT 5A**  
**CURRENT INPUT 333MV**  
**ROGOWSKI INPUT**

**QE-POWER-T** is a  
**BIDIRECTIONAL ENERGY**  
**METER** with RS485 Modbus  
 RTU communication integrated.



**SCT PECTECH**  
 serie



MAIN FEATURES

**ULTRA COMPACT**

17,5mm width only

**UNIVERSAL**

current transformer input

**CONFIGURABLE**

by free software or via RS485

**MODBUS**

RS485 Modbus RTU output

**ALARMS**

Digital contact / Alarm contact  
 configurable

BIDIRECTIONAL ENERGY METER VERSIONS

FEATURE	STD	PLUS	PRO (Power Quality)
<b>POWER SUPPLY</b>	10...40 V DC o 19...28 V AC - 50/60Hz		
<b>VOLTAGE INPUT</b>	Direct connection up to 500V RMS maximum (40...70Hz)		
<b>OUTPUT</b>	RS485 Mobus RTU and SPST Digital Contact (<40 V, <100mA)		

## OTHER COMMON FEATURES

Accuracy (@25°C, 50Hz)

<b>VOLTAGE</b> (Un: 230/400 V)	+/- 0,5% RDG ( 10...100% Un )
<b>CURRENT</b> (In= 5A)	+/- 0,5% RDG ( 5...100% In )
<b>FREQUENCY</b>	+/- 0,1 Hz da 40 a 70Hz
<b>POWER</b>	ACTIVE : +/- 0,5% RDG REACTIVE : +/- 0,5% RDG
<b>ENERGY</b>	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

**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

**STORAGE 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