

QI-POWER-485-300

POWER / ENERGY METER SINGLE PHASE

AC/DC TRMS - RS485 MODBUS

Current up to 300 A AC/ 400 A DC
 Voltage up to 800 V AC/ 1000 V DC

3-way CURRENT ISOLATOR, ACTIVE or PASSIVE input/output, transparent to the analog signals 0-20mA/0-20mA, DIN rail mounting, universal supply AC/DC.



POWER SUPPLY	9...30 Vdc, Protection against polarity reversal and overtemperature.
ABSORPTION	< 1,3 W
TYPE OF MEASURE	TRMS or DC
ACCURACY	@ 25°C -50/60Hz Voltage, Current, Active Power : < 0,5% F.S. Frequency : +/- 0,1 Hz Energy : +/- 1% of reading Vpeak, I peak: +/- 5% f.s.
OUTPUT	RS485 Modbus RTU
BAUDRATE	from 1200...115200 Baud
CREST FACTOR	1,8 (on current measurement)
WORKING FREQUENCY	DC or 1...400 Hz
SAMPLING RATE	11k Samples per Second
INPUT IMPEDENCE	1 Mohm +/-1%
STANDARDS CE	EN61000-6-4/2006 + A1 2011; EN64000-6-2/2005 ; EN61010-1/2010
OVERVOLTAGE CATEGORY	Cat III up to 600V ; Cat II up to 1000V.
ISOLATION	3 kV on bare wire for Current measure, 4 kV for Voltage measure (reinforced insulation to power supply and serial output)

The **QI-POWER-485** is an Energy / Power Meter capable of measuring single-phase current and voltage AC / DC TRMS, RS485 Modbus with over 200 registers. Measure: Irms, Vrms, W, Var, VA, Vpk, Ipk, frequency, power factor, bidirectional energy, THD and min / MAX of all RMS measurements.

Configuration software FACILE QI-POWER-485 for free. Suitable for measurements with varying frequencies (Wind, Hydro, Shipbuilding Industries, Aviation).

Suitable for direct measurements between inverter and motor.

Suitable for Motor Control, Cooling, Telecommunications, Data Centers and Energy efficiency applications.

Internal Calibration certificate for each device available on request.

