

# AC/DC ENERGY METER

## QI-POWER SERIE



Current measures: **50A / 300A**  
 Voltage measures: **100V / 1000V**



**UL MARK** for:  
**QI-POWER-485, QI-POWER-485-300**



### Comply to CE standards

EN61000-6-4/2006+ A1 2011, EN61000-6-2/2005, EN61010-1/2010

### TECHNICAL FEATURES

<b>Absorption</b> < 1,3 W	<b>Resolution</b> 12 bit	<b>Working Temp.</b> 15°C...+65°C	<b>Storage Temp.</b> -40°C...+85°C
<b>Temperature Coefficient</b> < 200 ppm/°C	<b>Humidity</b> 10...90 % not condensing	<b>Isolation</b> 3 kV on bare wire for Current measurement 4 kV on Voltage input (reinforced isolation between Power supply and RS485)	
<b>Altitude</b> up to 2000 m s.l.m.	<b>Dimensions</b> 46,1 x 63 x 26,4 mm (terminal excluded)	<b>Terminals</b> Removable step 3,5mm (n°1 of 4 poles, n°2 of 2 poles)	<b>Weight</b> 80 gr./ 370 gr.
<b>Filling</b> Epoxy resin	<b>Protection Index</b> IP20	<b>Enclosure Material</b> PBT, colore grigio	
<b>LED</b> n°1 Yellow (fixed = Power on, blinking= in communication)		<b>Dip Switch</b> n°2 (for address and baudrate for configuration software FACILE connection)	

<b>QI-POWER-485</b> <b>QI-POWER-485-LV</b>	<b>QI-POWER-485-300</b> <b>QI-POWER-485-300-LV</b>
---	---

<b>via Dip-Switch</b>	Modbus Address: 0 or 1 (Address 1 for communication with configuration software)	
	Baudrate: 9600 or 38400	
<b>via Software</b>	Energy measurement saved on Flash memory	
	Frequency measurement on Current channel	
	Modbus Address	
	Baudrate: 2400...115200	
	CT and VT ratio setting	
	Cut off on Current measurement (default 250mA)	Cut off on the current measurement (default 1,5A)
	Cut off on Power measurement (default 0 W)	
	Measurement Filter (Fast...Accurate)	
	Modbus Delay answer setting	

## BIDIRECTIONAL SINGLE PHASE ENERGY METER with integrated SERIAL RS485 MODBUS RTU.

### FEATURES

DC power and energy measurement  
 LV version for low voltages (max 100V)  
 Configurable via free software and via RS485

Applications: Current and Voltage measurement  
 string, battery control, Datacenters, Energy  
 consumption monitoring, Telecommunications.

	QI-POWER-485	QI-POWER 485-300	QI-POWER 485-LV	QI-POWER 485-300-LV
<b>Current Measurement</b>	50 A AC/DC	300 A AC 400 A DC	50 A AC/DC	300 A AC 400 A DC
<b>Voltage Measurement</b>	800 V AC 1000 V DC		80 V AC 100 V DC	
<b>Power Supply</b>	9...30 V DC Protection against polarity reversal and overtemperature			
<b>Accuracy</b>	@ 25°C up to 400Hz Voltage, Current, Active Power: < 0,5% f.s. Frequency: +/- 0,1 Hz on the reading Energy: +/- 1% on the reading Vpk, Ipk: +/- 5% f.s.			
<b>Type of measure</b>	RMS (monopolar) or DC			
<b>Output</b>	RS485 MODBUS RTU			
<b>AVAILABLE MEASUREMENT via RS485</b>	I rms, V rms			
	I picco, V picco			
	P: Active Power [ W ]			
	Q: Reactive Power [VAR]			
	S: Apparent Power [VA]			
	FREQUENCY			
	Cosφ			
	THD			
	Energy [ kWh]			
Bidirectional Energy Totalizer (kWh), positive and negative				



scan the qrcode  
 TO DISCOVER MORE

