

Qoltec Single-phase 6-in-1 meter | DIN rail-mounted energy consumption meter | 230V | 100A | LCD | CT | 3P

Product code: 50977

The 3P 100A multifunctional digital energy meter is a practical device designed for the real-time monitoring of key electrical network parameters. It enables the simultaneous measurement of AC voltage, AC current, active power, power factor, frequency and electricity consumption. The maximum measurement current is 100A. It is designed for mounting on a standard DIN rail. The meter is equipped with a high-resolution colour LCD display.

INVESTING IN ENERGY SAVINGS AND CONSUMPTION MONITORING



6-in-1 multifunctional energy meter for 35 DIN rail

The 6-in-1 multifunctional digital energy meter enables real-time monitoring of the key parameters of a single-phase electrical installation. The device simultaneously measures AC voltage, AC current, active power, power factor, frequency and electricity consumption, making it easy to monitor the operation of connected loads.

Colour LCD display showing 6 measurement parameters

The clear colour LCD display allows you to quickly check current measurement values, whilst the maximum current measurement range of up to 100A enables the device to be used in installations with varying loads.

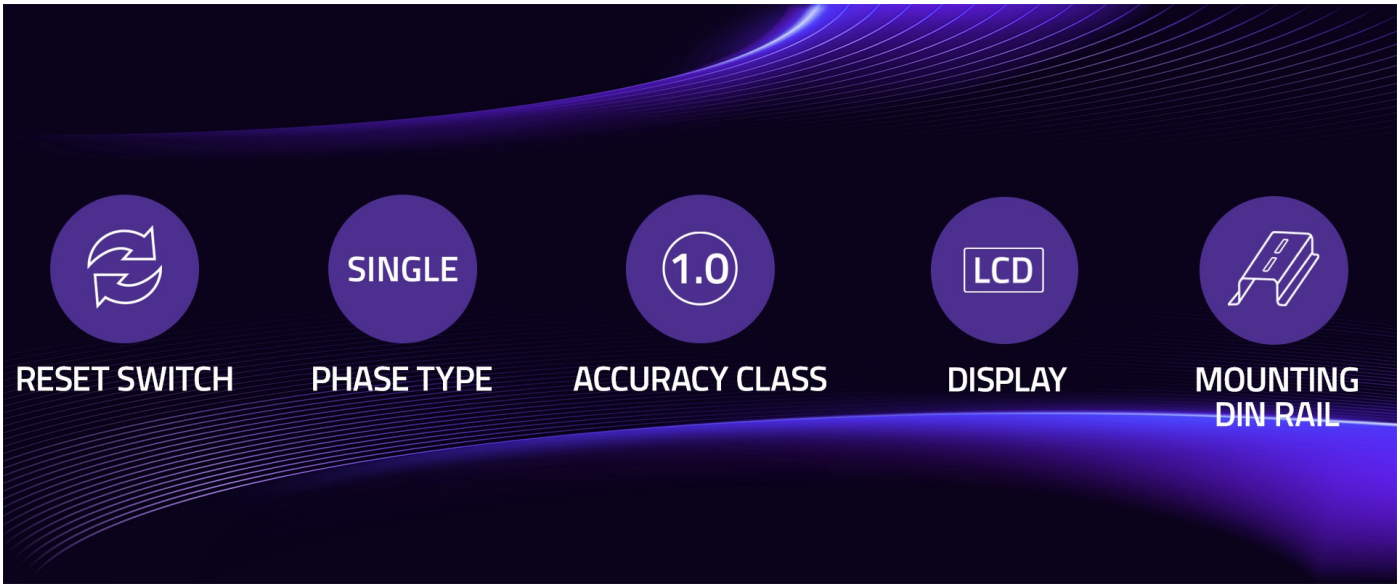
- AC voltage,
- AC current,
- active power,
- power factor,
- frequency,
- electrical energy.

CONVENIENT AND ACCURATE MONITORING



Measurement of AC network parameters up to 100A
Key product features:
- **Designed for single-phase installations,**
- **6 measurement functions**: AC voltage, AC current, active power, power factor, frequency and electrical energy,
- **Unidirectional**, measures energy regardless of the direction of flow,
- **Maximum current measurement range: 100 A**,
- **Standard installation** of the device **in a distribution board on a 35 mm DIN rail**,
- Energy consumption measurement displayed in **kWh**,
- **Current measurement using a current transformer (CT)**,
- Features a **colour LCD display** for monitoring measurements,
- Complies with **IEC 62053-21 and DIN EN 50022** standards,
- **Accuracy class 1.0**.

BUILT-IN CT CURRENT TRANSFORMER – CONVENIENT MEASUREMENT WITHOUT INTERRUPTING THE CIRCUIT



Current measurement up to 100A using a current transformer (CT)
The meter is fitted with a built-in current transformer (CT) with an 11 mm diameter bore through which the cable being measured is passed . The design allows for the use of copper cables with a cross-sectional area of up to approximately 12 mm , and the maximum current measurement range is 100 A. The version with an external current transformer (CT) with a 15 mm bore allows cables with a larger cross-section, approximately 21–25 mm , to be passed through, thereby expanding the meter's range of applications in electrical installations.

CONFIDENCE CONFIRMED BY A WARRANTY

Produkt objęty 24 miesięczną gwarancją
Zależy Ci na wysokiej jakości kupowanego produktu? Nasze rozwiązania spełnią Twoje oczekiwania. Produkt objęty **24 miesięczną gwarancją** od dnia zakupu.

TECHNICAL DATA

Producer	Qoltec
Type	Single phase
Precision	Class 1.0
Rated voltage	230 V
AC voltage range	AC 40–300V
Measurement range	0–450,000 W (active power); 0–99,999 kWh (electricity)
Measurement accuracy	1% 2 digits
Maximum current	100A
Frequency	45–65Hz
Refresh rate	Twice a second
Number of poles	3P
Display	LCD
Mounting method	DIN TH35
Usage	electrical switchboards, domestic installations, workshops, small commercial premises, technical installations, energy consumption monitoring systems, systems requiring continuous monitoring of electrical parameters.
Additional information	Measurement of active energy by single-phase loads Complies with the DIN EN 5002 standard Following a power cut, the meter displays the last recorded value; it has a memory function The electricity meter can be reset when the power is switched on
Notices	The meter is designed to measure alternating current within the range of 40–300 V AC. Before connecting the device, ensure that the voltage in the circuit falls within the meter's permissible operating range.
OTHER PARAMETERS	
Colour	White
Operating temperature	-20 to +70
Dimensions (D/L x W x H)	64 x 54 x 80 mm
Package	Box
Package contents	1 x Single-phase electronic meter 2 x User manuals (Polish and English) 1 x Warranty card
Package depth / length [mm]	59
Package width [mm]	90
Package height [mm]	67
Net weight [kg]	0.106
Gross weight [kg]	0.125
Certificate	CE
Warranty	24 month
EAN code	5901878509778