



LE-03MQ-CT

Three-phase bidirectional energy meter

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Three-phase, semi-indirect, bidirectional, four-quadrant electricity and network parameters measurement, compliant with the MID directive, Modbus RTU communication interface.



FUNCTIONING

DESCRIPTION

Compatibility

Directive 2004/22 / EC

Certificate number: 0120 / SG S0216

Purpose

LE-03MQ CT is a static (electronic) calibrated electricity meter for single-phase or three-phase alternating current in a semi-indirect system. It is used for the indication and registration of the collected electricity and the parameters of the power supply network with the possibility of remote reading of indications via the wired network of the RS-485 standard. The meter cooperates with current transformers (CT) with 1 A or 5 A secondary current. The meter is configured via the configuration menu accessible from the front panel and through the communication port in accordance with the Modbus RTU programming functions.



Functions

- * 1- or 3-phase system (3- and 4-wire)
- * two-way measurement (4-quadrant)
- * 1 A or 5 A transformers

- * current transmission 1 ÷ 9999
- * kWh / kvar indication (downloaded / given)
- * indication of network parameters
- * compatibility with MID
- * RS-485 port
- * Modbus RTU protocol
- * pulse output SO (× 2)
- * backlit, multifunctional LCD display
- * password protection with password

TECHNICAL DATA

Nominal current (In)	5 A
Max. current (Imax)	6 A
Nominal voltage (Un) N-L	160-265 V
Model	Measurement transformer
Measurement type load profile	No
Escapement mechanism	Yes
Calibrated	Yes
Pulse rate	0.01-100 imp/kWh (kvarh)
Width in number of modular spacings	4.5
EEC40 signature	No
With lock code	No
Frequency	50-50 Hz
Type of meter	Electronic
Accuracy class	B
Pole type	Three conductor/four conductor
Energy type	Effective power and reactive power
Suitable for	Purchase/supply
Tariff type	One-tariff
Approval	Measuring Instruments Directive
Pulse output	Electrical
Pulse type	S0

Type of indication	Digital
Mounting method	DRA (DIN-rail adaptor)
Type of interface	RS-485
Degree of protection (IP)	IP20
Number of positions total (counter)	7
Height	95 mm
Depth	65 mm
Width	72 mm
Power consumption	2 W

Manual

CE Declaration