

AUTOMATIC READING METERS

PURPOSE

Automatic reading meters are used for indications of the imported electric energy and the parameters of the mains with the possibility of remote reading, storage of data or indications in financial-accounting systems, BMS, SCADA, etc.



FUNCTIONING

Group of the counters along with network communication devices (converters, concentrators, controllers) is managed through special software for recording energy consumption and network parameters. Read and recorded values are consistent with the indications on the display. Communication with meters is carried out in accordance with the designated communication protocol by the communication port. Each counter is identified by a unique address assigned by the user.

REMOTE READING SYSTEM MeternetPRO

(Read more - page 160)

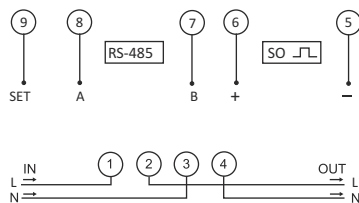


ACTIVE ENERGY METERS WITH MODBUS RTU COMMUNICATION

LE-01M



- * single-phase
- * 100A direct measurement
- * kWh indication
- * according to MID
- * Modbus RTU protocol
- * RS-485 port
- * pulse output SO



according to MID	2014/32/EU
reference voltage	230V AC ±30%
base current	10A
maximum current	100A
minimum current	0.04A
measurement accuracy (according to IEC61036)	1st class
own power consumption	<10VA; <2W
indication range	0÷99999.99kWh
meter constant	(0.625Wh/pulse) 1600pulses/kWh
read-out signalling	red LED
pulse output SO+ SO-	open collector
connection voltage SO+ SO-	<27V DC
connection current SO+ SO-	<27mA
constant SO+ SO-	(0.625Wh/pulse) 1600pulses/kWh
pulse time SO+ SO-	34÷80msec
port	RS-485
communication protocol	Modbus RTU
working temperature	-20÷55°C
terminal	25mm ² screw terminals
dimensions	4.5 module (75mm)
mounting	on TH-35 rail
protection level	IP20