

## LE-03MP

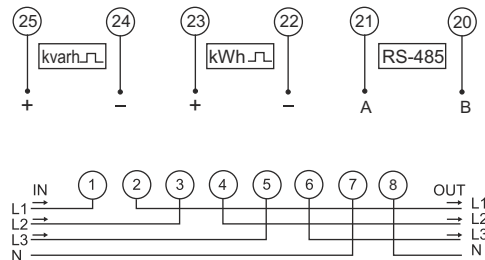


- \* three-phase
- \* 60A direct measurement
- \* kWh indication/kvarh + network parameters
- \* prepaid
- \* according to LVD
- \* Modbus RTU protocole
- \* RS-485 port
- \* pulse output SO

reference voltage	3×400V
base current	5A
maximum current	60A
minimum current	0.02A
measurement accuracy (according to IEC61036)	1st class
own power consumption	<10VA; <1.5W
indication range	0÷999999.99kWh
meter constant kWh	(1.25Wh/pulse) 800pulses/kWh
meter constant kvarh	(1.25varh/pulse) 800pulses/kvarh
read-out signalling	2×red LED
pulse output kWh/kvarh	open collector
connection voltage kWh/kvarh	<30V DC
connection current kWh/kvarh	<27mA
constant kWh/kvarh	(1.25Wh/pulse) 800pulses/kWh
pulse time kWh/kvarh	10msec
port	RS-485
communication protocol	Modbus RTU
working temperature	-20÷55°C
terminal	16mm <sup>2</sup> screw terminals
dimensions	7 modules (122mm)
mounting	on TH-35 rail
protection level	IP20

### FUNCTIONS

- \* The internal relay switching circuits L1, L2, L3
- \* Manual relay control
- \* Overcurrent protection - setting the limit load
- \* Prepaid energy (prepayment) - the value of active energy at which meter disconnects the internal relay.
- \* Automatic mode - automatic relay auto-off after overcurrent threshold increased and when the set overcurrent and set ON prepaid functions.
- \* Status - current status of the relay [on/off]



### MEASURED VALUES

Active energy	AE+	[kWh]
Reactive energy	RE+	[kvarh]
Phase voltage	U1, U2, U3	[V]
Phase current	I1, I2, I3	[A]
Frequency	F	[Hz]
L1 phase active power	P1	[W]
L2 phase active power	P2	[W]
L3 phase active power	P3	[W]
L1+L2+L3 active power	P	[W]
L1 phase power factor	cosφ1	
L2 phase power factor	cosφ2	
L3 phase power factor	cosφ3	

Reading of all measured values and set function parameters is done by using the Modbus RTU protocol.

## DMM-5T

### THREE-PHASE NETWORK ANALYZER with MODBUS RTU communication FOUR-QUADRANT ELECTRICITY MEASUREMENT



- \* Direct or indirect measurement of the phase currents
- \* Direct or indirect (>230/400V) measurement of phase and interphase voltages
- \* Measurement of electric energy in 4 tariffs

Read more - page 127.

