



F&F Filipowski sp.k., ul. Konstantynowska 79/81, 95-200 Pabianice, tel.: +48 (42) 214 90 37, e-mail: biuro@fif.com.pl, www.fif.com.pl



LE-03ETH

Trójfazowy licznik, pomiar bezpośredni 100A, komunikacja Modbus TCP, MID

Index: LE-03ETH

Three-phase. Backlit LCD display. Direct, bi-directional measurement of active and reactive energy and network parameters.

MID certified.

Ethernet interface and Modbus TCP communication protocol.



FUNCTIONING

DESCRIPTION



Compliance

MID Directive 2014/32/EU

Certificate No. TI3036

Purpose

The LE-03ETH is an electronic, multifunctional, certified (MID declaration) electricity meter, suitable for direct metering. The meter is suitable for remote reading via the built-in Ethernet communication port and Modbus TCP protocol support.

Functions

- 3-phase
- bidirectional
- direct measurement 100 A
- indication of kWh/kvar (input/output)

- indication of mains parameters
- MID certified
- Modbus TCP protocol
- Ethernet port
- backlit LCD multifunction display
- counter configuration protection by password

Measured values

Active energy input/output	AE+/AE-	[kWh]
Reactive energy input/output	RE+/RE-	[kvarh].
Phase voltages	U1, U2, U3	[V]
Phase currents	I1, I2, I3	[A]
Frequency	F	[Hz]
Active power	P	[W]
Reactive power	Q	[var].
Apparent power	S	[VA]
Power factor	cosφ	
Harmonics THD	%	
Power and current demand	kW, kvar, kVA, I	

TECHNICAL DATA

Nominal current (In)	10 A
Max. current (Imax)	100 A
Nominal voltage (Un) N-L	100-276 V
Nominal voltage (Un) L-L	173-480 V
Frequency	50-60 Hz
Power consumption	2 W
Calibrated	Yes
Pulse rate	400-400 imp/kWh (kvarh)
Width in number of modular spacings	4
Width	72 mm
Depth	66 mm
Height	100 mm
Number of positions total (counter)	7
Model	Direct measurement
Degree of protection (IP)	IP51
Measurement type load profile	No
Escapement mechanism	Yes

EEC40 signature	No
With lock code	No
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	Other

Manual

CE Declaration

Certificate