



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

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## LE-01R

**Single-phase energy meter with measurement**

**Index: LE-01R**

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The LE-01R is a static (electronic) calibrated electricity meter for single-phase alternating current, designed for direct current measurement in a 2-wire system.

**MID Directive 2014/32/EU**

Certificate No. 0120/SGS0571



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### DESCRIPTION

#### Compliance

MID Directive 2014/32/EU

Certificate 0120/SGS0571

#### Measured values

- Total active energy [kWh]
- Active energy imported AE+ [kWh]
- Active energy exported AE- [kWh]
- Total reactive energy [kvarh]
- Phase voltage U [V]
- Phase current I [A]
- Frequency f [Hz]
- Active power P [W]
- Reactive power Q [var]
- Apparent power S [VA]
- Power factor  $\cos\phi$
- Demand active energy imported [W]
- Total demand active energy imported [W]
- Demand active energy exported [W]
- Total demand active energy exported [W]
- Demand reactive energy imported [var]
- Total demand reactive energy imported [var]
- Demand reactive energy exported [var]
- Total demand reactive energy exported [var]

#### Functioning

The meter provides measurement of active and reactive energy and power measurement as well as monitoring of many additional network parameters such as voltage, current, active power, reactive power, apparent power, frequency, power factor. The meter has additional, resettable active and reactive energy counters. The touch button located on the front panel of the meter allows you to select the displayed parameter.

The meter is equipped with 2 open collector pulse outputs for signalling increases in active and reactive energy consumption. The backlit LCD display makes it easy to read the measured values.

## TECHNICAL DATA

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Number of positions total (counter)	7
Height	95 mm
Depth	72 mm
Width	18 mm
Width in number of modular spacings	1
Pulse rate	1000-1000 imp/kWh (kvarh)
Calibrated	Tak
Escapement mechanism	Tak
Power consumption	1 W
Frequency	50-50 Hz
Nominal voltage (Un) N-L	184-276 V
Max. current (Imax)	100 A
Nominal current (In)	5 A
Degree of protection (IP)	IP20
Mounting method	DRA (DIN-rail adaptor)
Type of indication	Digital
Pulse type	S0
Pulse output	Electrical
Approval	Measuring Instruments Directive
Tariff type	One-tariff
Suitable for	Purchase
Energy type	Effective power and reactive power
Pole type	Single phase
Accuracy class	B
Type of meter	Electronic
Model	Direct measurement

Manual

CE declaration

Certificate