

Short User Manual PRO-Flex

Type Schuko & CEE plug
Inepro Metering – V1.00

Thanks for choosing the Smart PRO-Flex Meter from Inepro.



- Turn off and if possible lock all sources supplying the energy meter and the equipment that is connected to it before working on it.
- Always use a properly rated voltage sensing device to confirm that power is off.

- The connecting wire, connecting the device to the outside circuit, should be sized in accordance with local regulations for the maximum amount of the current breaker or other overcurrent protection devices used in the circuit.

- An external switch or a circuit-breaker should be installed on the supply wires, which will be used to disconnect the meter and the device supplying energy. It is recommended that this switch or circuit-breaker is placed near the meter because that is more convenient for the operator. The switch or circuit-breaker should comply with the specifications of the building's electrical design and all local regulations.

- An external fuse or thermal cut-off used as an overcurrent protection device for the meter must be installed on the supply side wires. It's recommended that this protection device is also placed near the meter for the convenience of the operator. The overcurrent protection device should comply with the specifications of the building's electrical design and all local regulations.

Declaration of Conformity

We
Inepro Metering BV
OF
Inepro Metering BV
Pondweg 7
2153 PK Nieuw-Vennep
The Netherlands

Ensure and declare that the apparatus:
PRO1-S, PRO1-T, PRO1-Mb and PRO1-Mod
With the measurement range
230V, 5(4)A, 50Hz, 10.000imp/kWh
are in conformity with the type as described in the
EC type examination certificate 7017-14
and satisfy the appropriate requirements of the Directive 2014/52/EU

September 7, 2016

Daan van der Vaart



We,
Inepro Metering BV
(supplier's name)

Pondweg 7
2153 PK Nieuw-Vennep
The Netherlands

(supplier's address)

declare under our sole responsibility that the product:

**PRO1-S,
PRO1-T,
PRO1-Mb,
PRO1-Mod**

Single phase DIN rail Watt Hour meter



This declaration of Conformity is suitable to the European Standard EN 45014 General Criteria for Supplier's Declaration of Conformity. The basis for the criteria has been found in international documentation, particularly in ISO/IEC Guide 22, 1982, Information on manufacturer's Declaration of Conformity with standards or other technical specifications

(Name, type or model, batch or serial number, possibly source and number of items)

to which this declaration relates in conformity with the following European harmonized and published standards at date of this declaration:

EN 50470

(Title and/or number and date of issue of the applied standard(s))

Following the provisions of the Directive (if applicable):

N/A

Nieuw-Vennep, 2013, Oktober 31

Place and date of issue

D. van der Vaart

Name of responsible for CE-marking



- The installation should be performed by qualified personnel familiar with applicable codes and regulations.

- Use insulated tools to install the device. A fuse, thermal cut-off or single-pole circuit breaker should be fitted on the supply line and not on the neutral line.

- This meter can be installed indoor or outdoor in accordance with local codes and regulations.

- The meter has to be installed in a well-ventilated and dry place.
- The meter should be installed on a location where the meter can be read easily.

- In case the meter is installed in an area with frequent surges for example due to thunderstorms, welding machines, inverters etc., the meter is required to be protected with a Surge Protection Device.

- Never open the casing or the meter. Warranty claims can only be validated, if the lead seal has not been broken.



CERTIFICATE

EC-Type examination certificate 7017-14

Manufacturer	Inepro Metering BV
Contact person	D. van der Vaart
Address	Pondweg 7
Postal code, Place	2153PK, Nieuw-Vennep
Country	The Netherlands
Production site	Zhejiang Yongsheng Electronic Co., Ltd
Address	No. 302 Yongsheng Road, Tongxiang
Postal code, Place	314500, Jiaxing City, Zhejiang
Country	China
Instrument	Electronic single-phase two-wire energy meter
Mark Type	Direct connected
Register	PRO1-S, PRO1-T, PRO1-Mb and PRO1-Mod
Accuracy Class	1/2
Measurement range	230 V 5(4) A 10 kWh
Temperature range	10000 imp/kWh -25...55 °C
Use	Indoor
Protection Class	II
Environmenal class	M1, E1
Display method	Programmable

The energy meter meets the requirements of Directive 2004/22/EC of the European parliament and the council of 23 March 2004 on measuring instruments.

Certification was based on compliance with the following harmonized standards:

EN 50470-1 (2006) : Electricity metering equipment (a) part 1: General requirements, tests and test conditions; Metering equipment class indexes A, B and C)

EN 50470-3 (2006) : Electricity metering equipment (a) part 3: Particular requirements - Static meters for active energy class indexes A, B and C)

Valid until : 10 July 2024

Based on a non-recurrent examination.

The results are recorded in the following annex: test report 72141340-TC 7017-14.

KEMA Nederland B.V.
Arnhem, 10 July 2014

Ing. H. A. A. A. A.

Certification manager

Notified body number 2290

Ing. S. A. M. Vanhooven

Business Line Director, Testing, Inspection & Certification

The certification required here does not carry any liability on an application mark granted by KEMA.

Original publication of this certificate and supporting reports is allowed.

This certificate is issued provided that neither KEMA nor the BSI assumes any liability.

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This short user manual does not contain every applicable safety regulation for using this meter. Also it might be required because of company, local government regulations or (inter)national laws to take additional measures. We have checked the contents of this manual and every effort has been made to ensure that the descriptions are as accurate as possible. However, deviations from the description cannot be completely ruled out, so that no liability can be accepted for any errors or omissions in the information given. Versions might different in default programming based on the customers order.

■ **Inside meter specifications**

Voltage 230AC; Current 5/16A; Frequency 50Hz; LED 10.000 pulses/kWh; Accuracy class B; Operating temperature -25°C - +55°C; LCD scroll time 5s; calculation method C01 (total energy = forward only).

■ **Auto scroll**

1. Current direction
2. Total active energy
3. Value (kWh)



■ **Specifications**

	CEE		Schuko	
IP value (cable)	44	44	44	44
IP value (casing)	54	54	54	54
Height casing	92mm	92mm	92mm	92mm
Width casing	156mm	156mm	156mm	156mm
Depth casing	52,5mm	52,5mm	52,5mm	52,5mm
Cable type	1,5mm ² H07RNF	2,5mm ² H07RNF	1,5mm ² H07RNF	2,5mm ² H07RNF
Cable length	50cm on both sides	50cm on both sides	50cm on both sides	50cm on both sides
Accuracy class	B	B	B	B
Nominal voltage	230V AC	230V AC	230V AC	230V AC
I_{max}	16A	16A	16A	16A
I_b	5A	5A	5A	5A
Protective class	II	II	II	II
International standards	EN50470-3	EN50470-3	EN50470-3	EN50470-3



CEE Plug



Schuko



Visit www.ineprometering.com/download to download the full manual or to view our matching 1 phase 1 module energy meters; the PRO1 series.

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