

# Electricity measuring module (3 channels) for Niko Home Control

550-00803

4 year warranty

This module is used to measure your overall electricity consumption, solar production and energy consumption of individual devices. All values measured are sent to the Niko Home Control installation and are saved on your connected controller.

You can use the measured values to:

- monitor electricity consumption, production and self-consumption, by using the Niko Home app
- receive notifications in case of abnormal energy consumption, by using smart energy alerts in Niko Home Control
- increase your self-consumption, by using the Niko Home Control solar mode to automatically activate appliances in case of excess solar energy
- control your peak consumption, by using the Niko Home Control peak mode

This article is protected by at least one patent (application). For more info on patents, see [www.niko.eu/innovation](http://www.niko.eu/innovation).



## Technical data

Electricity measuring module (3 channels) for Niko Home Control.

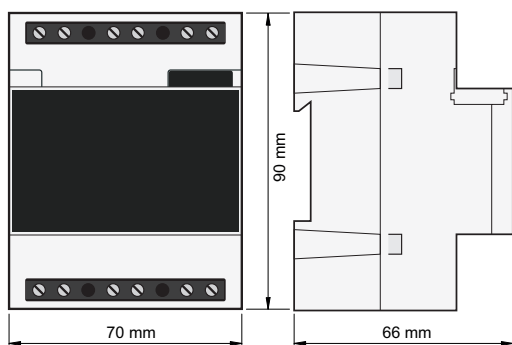
- Function: • Measuring of:
  - total electricity consumption of a home connected to a three-phase supply network 3P+N (400 Vac) or 3P (3 x 230 Vac)
  - amount of electricity generated by photovoltaic solar panels
  - consumption of specific circuits, such as the upper floor of a home
  - consumption of individual devices, such as heat pumps, heat pump boilers, air conditioning and EV chargers
- Measuring via:
  - 3 current clamps to measure the electrical current in several conductors
  - connection terminals to measure the voltage of the phase
- Measured data available in app
- Measurement range: 5 – 14500 W, 22 mA – 63 A
- Accuracy: IEC62053-21 class 1 (R), class 2 (L)
- Maximum cable size in the current clamp: 1 x 10 mm<sup>2</sup> or 6 x 2.5 mm<sup>2</sup> or 9 x 1.5 mm<sup>2</sup>
- Length of the connector cable to the current clamp: 100 cm
- Not suitable for measuring direct current components
- Measuring data for information purposes only, not valid for invoicing
- Sliding contact to connect the module to the following module on the DIN rail
- Energy: optimise energy consumption
- Input voltage: 230 Vac ± 10 %, 50 Hz
- Maximum MCB rating: 20 A (limited by national installation rules)
- Connection terminals: 3 x 2 screw terminals to measure the voltage of the connected switching circuit and 3 x 2 screw terminals to connect the current clamps included

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- Wire capacity
  - 3 x 1.5 mm<sup>2</sup> of 2 x 2.5 mm<sup>2</sup> or 1 x 4 mm<sup>2</sup> wire per terminal
- DIN dimensions: 4U
- Dimensions (HxWxD): 90 x 70 x 66 mm
- Marking: CE



## Dimensions



## Wiring diagram

