

Wireless measuring module (3 channels) for Niko Home Control

552-20803

4 year warranty

This module is used to measure your overall electricity consumption, solar production and energy consumption of individual devices. It communicates wirelessly with your Niko Home Control installation.

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



Technical data

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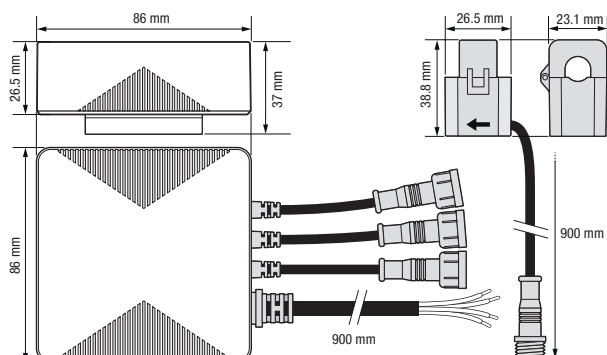
- Function:
 - Measuring of:
 - total electricity consumption of a home that is connected to a single-phase supply network
 - total electricity consumption of a home connected to a three-phase supply network 3P+N (400 Vac) or 3P (3 x 230 Vac)
 - amount of electricity generated by photovoltaic solar panels
 - 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
 - 4 wires to measure the voltage of the phase
 - Measured data available in app
 - Measurement range: 100 W – 14 490 W, 0.44 A – 63 A
 - Accuracy:
 - more than 100 W: IEC62053-21 class 2 (R), class 2 (L)
 - between 10 W and 100 W: 5 %
 - Maximum cable size in the current clamp: 10 mm²
 - Length of the connector cable to the current clamp: 90 cm
 - Maximum RF range: 10 m (mesh networking support for longer range)
 - Euroclass reaction to fire of cables: Eca
 - Not suitable for measuring direct current components
 - Measuring data for information purposes only, not valid for invoicing
 - Input voltage: 230 Vac \pm 10 %, 50 Hz
 - Maximum MCB rating: 16 A (limited by national installation rules)
 - Maximum radio frequency power: 7.92 dBm
 - Operating frequency: 2.4 GHz
 - Ambient temperature: 0 – 40 °C

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- Protection degree: IP20
- Dimensions (HxWxD): 86 x 86 x 37 mm
- Marking: CE



Dimensions



Wiring diagram

