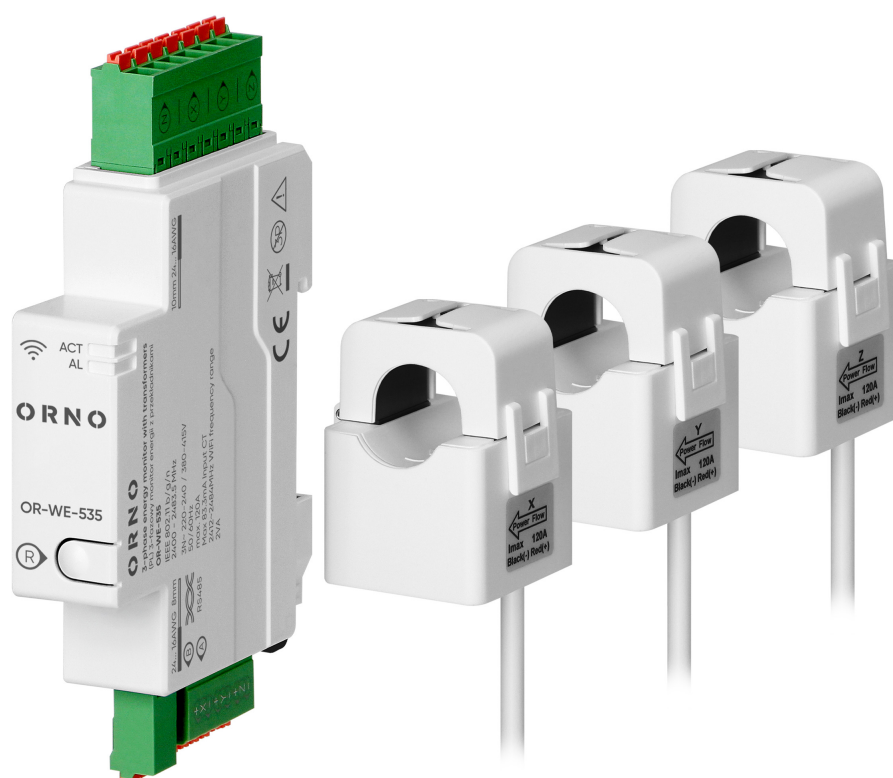


## 3-phase energy monitor with current transformers 120A, 230/400V, Tuya Smart Wi-Fi



Marka: Orno | Symbol: OR-WE-535 | Ean: 5908254851018



### PRODUCT DESCRIPTION

Gain full control over energy consumption in your house, flat or business! This 3-phase electricity monitor with 120A current transformers is a measuring device that allows you to track the power consumption and operating costs of electrical equipment in real time. Thanks to integration with the Tuya Smart system, you can check your energy consumption data from anywhere in the world, even on holiday, 24 hours a day – all you need is a smartphone or tablet.

The device is mounted on a DIN rail, which enables quick and safe installation in an electrical switchboard. The set includes three current transformers that precisely measure current in each phase and provide accurate information about energy consumption.

The monitor enables:

- real-time reading of all basic electrical parameters: voltage, current, active power and total energy consumption – the user can check the current load of the installation and manage power consumption at any time
- real-time consumption analysis;
- energy cost calculation;
- to control the operation of devices and detect excessive power consumption.

Thanks to its compatibility with the Tuya Smart platform, the device can be integrated with other smart home components, such as sockets, lighting, and heating systems. The app provides users with clear graphs, consumption history, and notifications when set thresholds are exceeded.

Importantly for photovoltaic system owners, the device also measures the energy forwarded to the mains.

The energy meter is perfect for flats, detached houses, offices – anywhere where energy consumption needs to be monitored and costs managed rationally.

Key advantages of the 3-phase energy monitor:

- real-time energy consumption measurement and monitoring,
- compatibility with the Tuya app (2.4 GHz Wi-Fi),
- 3 x 120A current transformers included – accurate measurements for each phase,
- DIN rail mounting (quick installation in a switchgear),
- access to consumption history and automatic calculation of energy costs,
- measurement of energy forwarded to the mains (photovoltaics).

## TECHNICAL DATA

## General information:

Type of meter:	Elektroniczny
Max. current (I <sub>max</sub> ) [A]:	120
Nominal voltage (U <sub>n</sub> ) N-L [V]:	220-240
Nominal voltage (U <sub>n</sub> ) L-L [V]:	380-415
Frequency [Hz]:	50/60
Accuracy class - normal using [W]:	1.5
Accuracy class - pairing mode [W]:	2
Pole type:	Trójfazowy
Model:	Pomiar pośredni/półpośredni
Measurement accuracy class:	1
Energy type:	Moc czynna
Active power:	Tak
Reactive power:	Nie
Forwarded power:	Tak
Reversed power:	Tak
Suitable for:	Pobór/zwrot
Measurement type load profile:	Tak
Approval:	IEC 61557-12, IEC 61326-1 ETSI EN 300 328 ETSI EN 301 489-1 ETSI EN 301 489-17
Mounting method:	Adapter szyny DIN
Width in number of modular spacings:	1
Max. Cross-section of cables:	95
Indicator width [mm]:	18
Indicator height [mm]:	100
Indicator depth [mm]:	66
Transformer width [mm]:	35
Transformer height [mm]:	47
Transformer depth [mm]:	31

Transformer cable length [m]:	0.95
Temperature Range:	-25 - +70
Max. Humidity:	≤95%
Type of interface:	RS-485 MODBUS
Communication type:	Wi-Fi
Wi-Fi Standard:	IEEE 802.11 b/g/n, 2.4GHz
Wi-Fi Power [W]:	≤0,1
TUYA:	Tak
Degree of protection (IP):	IP20

