



Shelly Pro EM-50 Energy Meter, WiFi/LAN



Modelis: EM-50 PRO

Gamintojas: SHELLY

EAN: 3800235268148

Prekės kodas: 374366

107.99€

Shelly PRO EM-50 WIFI Electricity Consumption Meter

The Shelly PRO EM-50 WIFI is an advanced electricity consumption meter that revolutionizes the way you monitor and control energy consumption in your home, commercial or industrial facility.

Equipped with a two-channel, single-phase energy meter, it enables precise measurement and reporting of both total energy consumption and voltage, current, active and apparent power in real time.

Reliability and security

Using the latest gen2 firmware technology and LAN and Wi-Fi connectivity, the Shelly PRO EM-50 offers flexibility and reliability in operation. It can operate standalone on a local LAN or Wi-Fi network, as well as integrate with cloud services for home automation via MQTT, HTTP and WebSocket. All incoming connections are handled by TLS protocol, which guarantees data security.

Pateikta prekės informacija yra orientacinio pobūdžio. Techninės savybės, nuotraukos, aprašymai ir kaina gali keistis be išankstinio perspėjimo. Gamintojas ir pardavėjas neatsako už galimus duomenų neatitikimus ar tipografines klaidas. Prieš išsigyjant rekomenduojame pasitikrinti aktualią informaciją.

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Full control of energy consumption

The meter reports both total energy consumption and voltage, current, active and apparent power per phase in real time. The data is stored in non-volatile memory, allowing it to be read for up to 60 days with an interval of every minute. This allows the user to track and analyze energy consumption, so that informed decisions can be made about its efficient use.

Easy setup

The Shelly PRO EM-50 allows remote access, configuration and monitoring by both the user and home automation systems, as long as they are on the same network infrastructure. The device has a built-in web interface that allows convenient customization of its settings. What's more, the simple-to-use interface makes configuring and monitoring the meter easy and intuitive.

Manufacturer	Shelly
Model	Pro EM-50
Dimensions	94 x 19 x 69 ±0.5 mm
Weight	63 ±1 g
Mounting	DIN rail
Housing material	Plastic
Color	White
Ambient temperature	-20 °C to 40 °C
Humidity	30% to 70% RH
Maximum altitude	2000 m
AC power supply voltage	100 - 260 V, 50/60 Hz
Power consumption	3 W
Maximum AC switching voltage	240 V
Maximum switching current	2 A
Internal temperature sensor	Yes
Voltmeter (RMS)	100 - 260 V
Voltmeter accuracy	±1%

Ammeters (RMS using CT) 0 - 50 A

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Accuracy of ammeter	±1% (5 - 50 A), ±2% (0 - 5 A)
Power and energy meters:	Active and apparent power, active and apparent energy, power factor
No load threshold	30 VA per phase
Measurement data storage	At least 60 days with data resolution of 1 min
Data export	CSV for recorded PQ values, JSON format export via RPC
Wi-Fi range	Up to 30 m indoors and 50 m outdoors (depends on local conditions)
Bluetooth protocol	4.2
Bluetooth range	Up to 10 m indoors and 30 m outdoors (depends on local conditions)
CPU	ESP32-D0WDQ6
Flash memory	16 MB
Webhooks (URL shares)	20 with 5 URLs per hook
Scripts	Yes
MQTT	Yes
CoAP	No

Last delivery: 02.04.2026, Net weight: 164, Box width: 8,00, Box height: 8,00, Box length: 10,50, Gross weight: 230, Kind: Energy consumption sensor, Moc zasilacza: Mains power, GPSR Link: https://psr-assets.innpro.pl/smarthome/sg_smarthome_controls.pdf, Information about data generation: <https://dataact.innpro.pl/shelly/3800235268148>