

Shelly PRO 3EM 120A 3-way WiFi/Bluetooth/Matter Electricity Meter



Model: PRO 3EM Matter

Manufacturer: SHELLY

EAN: 3800238073862

Product Code: 810658

R4,408

Shelly PRO 3EM 120A 3-Phase Electricity Meter with WiFi/Bluetooth/Matter

The Shelly Pro 3EM 120A is a professional, three-phase electricity meter designed for DIN-rail mounting. The device reports accumulated energy with 1% accuracy, as well as instantaneous voltage, current, and power for each phase in real time. It stores data from the last 60 days at one-minute intervals for each phase, enabling detailed analysis. It can operate standalone on a local LAN and/or Wi-Fi network, or be managed via a home automation cloud service using MQTT, HTTP, and WebSocket protocols. Furthermore, thanks to its scripting feature, it allows for the creation of advanced scenarios and offers extended monitoring options. The device is also compatible with the Matter standard, making it even easier to integrate into selected smart home systems.

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or typographical errors. We recommend checking the current information before purchasing.

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Manufacturer	Shelly
Model	PRO 3EM Matter
AC Power Supply	100 - 260 V, 50/60 Hz
Power Consumption	3 W
Internal Temperature Sensor	Yes
Voltmeters (RMS for each phase)	100 - 260 V
Voltmeter accuracy	±1%
Ammeters (RMS via current transformers for each phase and neutral)	0 - 120 A
Compatible current transformer (CT)	CT 120A
Ammeter accuracy	±1% (2 - 120 A), ±2% (1 - 2 A), ±5% (0 - 1 A)
Active and apparent energy and power meters	Active and apparent power, active and apparent energy, power factor, active energy, and basic reactive energy
Channel-to-channel calibration at minimum load	500 W per channel
No-load threshold	30 VA per channel
Measurement data storage:	At least 60 days with 1-minute data resolution
Wi-Fi protocol	802.11 b/g/n
Wi-Fi range	Up to 30 m indoors and 50 m outdoors
Bluetooth protocol	4.2
Bluetooth range	Up to 10 m indoors and 30 m outdoors
CPU	ESP32-D0WDQ6
Flash memory	16 MB
Dimensions	94 x 19 x 69 ±0.5 mm
Weight	62 ±1 g
Mounting	DIN rail
Housing material	Plastic
Ambient temperature	-20°C to +40°C

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Humidity	30% to 70% RH
Maximum altitude	2000 m
Matter compatibility	Yes

Kind: Energy consumption sensor, GPSR Link: https://psr-assets.innpro.pl/smarthome/sg_smarthome_actuators.pdf, Gross weight: 380, Net weight: 308, Box length: 14,00, Box width: 10,00, Box height: 8,50