

Shelly PRO 3EM 400A 3-Phase Energy Meter, WiFi/Bluetooth



Model: Pro3EM-400

Manufacturer: SHELLY

EAN: 3800235268117

Product Code: 1282942

R6,439

3-Channel Shelly PRO 3EM 400A WiFi Electrical Energy Consumption Meter

Shelly Pro 3EM 400A is a professional, three-phase electrical energy consumption meter that can be installed on a DIN rail. The device reports accumulated energy with 1% accuracy and real-time voltage, current, and power for each phase. It stores data for the last 60 days with a one-minute resolution for each phase, enabling precise analysis. Furthermore, it offers advanced scripting capabilities and extended monitoring options.

Manufacturer

Shelly

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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Model	SPEM-003CEBEU400
AC Power Supply Voltage	110 - 240 V, 50/60 Hz
Power Consumption	3 W
Internal Temperature Sensor	Yes
Voltemeters (RMS for Each Phase)	100 - 260 V
Voltemeter Accuracy	±1%
Amperemeters (RMS via CT for Each Phase and Neutral)	0 - 400 A
Compatible Current Transformer (CT) Ratings	CT-400A
Amperemeter Accuracy	±1% (5 - 400 A), ±2% (0 - 5 A)
Power and Energy Meters	Active and apparent power, active and apparent energy, power factor, basic active energy, and basic reactive energy
Channel-to-Channel Calibration at Minimum Load	5000 W per channel
No-Load Threshold	30 VA per channel
Measurement Data Storage	At least 60 days with 1-minute data resolution
Data Export	CSV format for stored PQ values, JSON export via RPC
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
Ambient Temperature	-20°C to +40°C
Humidity	30% to 70% RH
Maximum Altitude	2000 m
Dimensions	94 x 19 x 69 ±0.5 mm
Weight	62 ±1 g

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Mounting

DIN rail

Housing Material

Plastic

Net weight: 939, Box length: 21,50, Box width: 11,50, Box height: 8,00, Gross weight: 1070, 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/3800235268117>, GARAN: <https://garan.innpro.pl/shelly/3800235268117>