

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



Model: PRO 3EM Matter

Manufacturer: SHELLY

EAN: 3800238073862

Product Code: 882256

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

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|-----------------------------|---------------|
| <b>Humidity</b>             | 30% to 70% RH |
| <b>Maximum altitude</b>     | 2000 m        |
| <b>Matter compatibility</b> | Yes           |

Kind: Energy consumption sensor, GPSR Link: [https://psr-assets.innpro.pl/smarthome/sg\\_smarthome\\_actuators.pdf](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