

THREE-PHASE DIN-RAIL ENERGY METER · WIFI

Monitor three-phase consumption from your phone

Three-phase energy meter with three split-core current transformers up to 100 A, bidirectional metering and 2.4 GHz WiFi. Readings are shown in the GEYER Smart app.

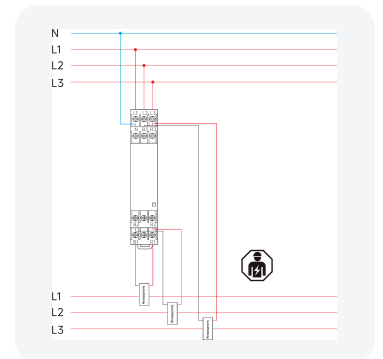
- 3 phases
- Measures up to 100 A
- Bidirectional metering



Warning: Installation must be carried out by a qualified electrician. Switch off the power supply before wiring and follow the connection diagram (page 4).

1 Wiring & transformers

- Connect the phases to terminals **L1, L2, L3** and the neutral to terminal **N**.
- Open each transformer, pass the **live wire** you want to measure through it and close it.
- Connect each transformer's wires: **black** → **B**, **red** → **R** of the matching phase.
- Check the P1 → P2 direction and see the full diagram on page 4.

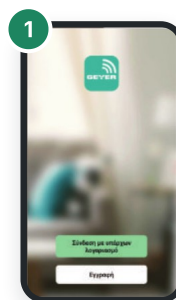


2 Download the app

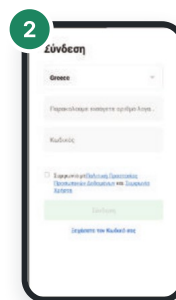


- First connect your phone to your local WiFi network.
- Scan the QR code or search for **GEYER Smart** on Google Play or the App Store.

3 Create an account



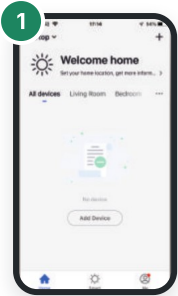
Open the app and register



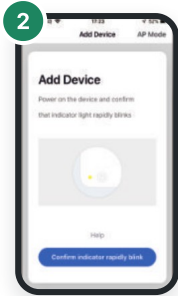
Log in to your account

4 Add the device

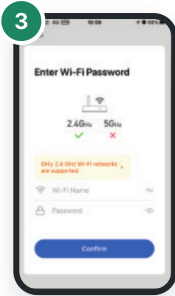
a Touch and hold the device's touch button for about 5 seconds until the **green LED** blinks fast.



Tap "+" or "Add Device" on the home screen



Confirm that the LED is blinking fast



Enter your WiFi password and confirm



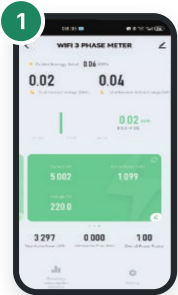
Tap "Done"



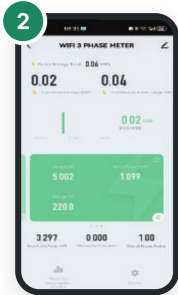
You can now see the readings in the app

5 Energy metering

Monitor the consumption of all three phases in real time.



The home screen shows phase A (L1)



Tap "B" or "C" for phases L2 and L3

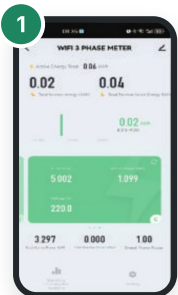
Shown in the app

- Total active energy (kWh)
- Total reverse energy (kWh)
- Current power (kW)
- Total reactive power (kVar)
- Total forward energy (kWh)
- Current (A)
- Total active power (kW)
- Overall power factor

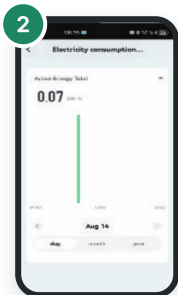
Below 3 W, the app shows power and current as "0", but the consumption is still counted in the total.

6 Energy statistics

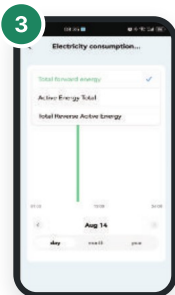
View the consumption history by day, month or year.



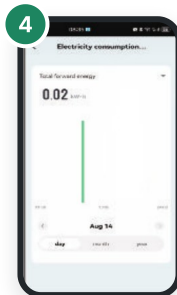
Tap "Electricity Consumption Statistics"



View energy by day, month or year



Select the type of reading



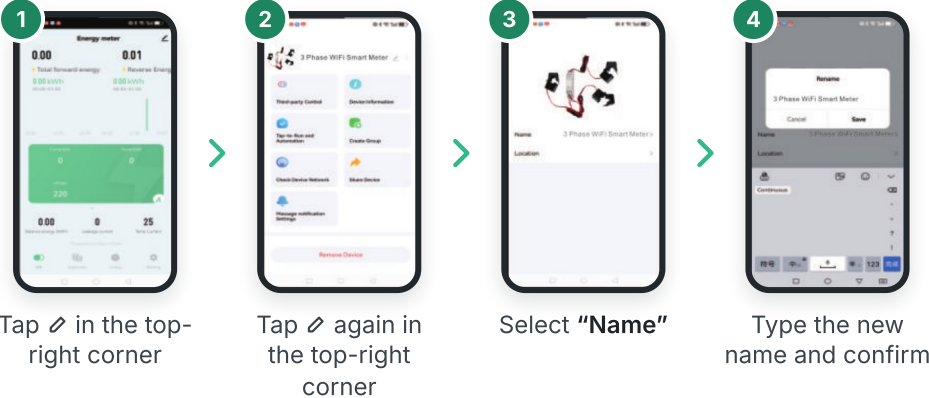
Total forward energy



Total reverse active energy

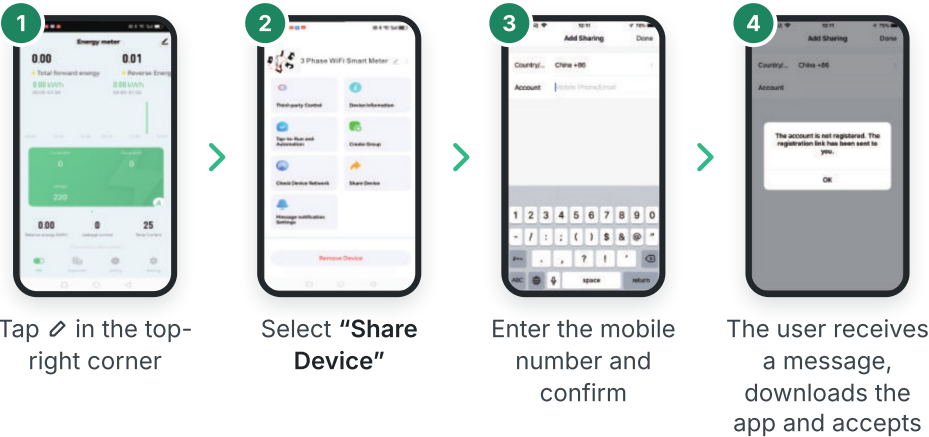
7 Device name

Give the device a name that tells it apart, e.g. "Main supply".



8 Share the device

Give family members or colleagues access to the readings.



20

You can share the device with up to 20 users.

i Good to know



Without internet

If the device is disconnected from the network, the app does not show the current readings.



Data is kept

After a power failure, previous readings are retained and the device continues without reconnecting.



Bidirectional metering

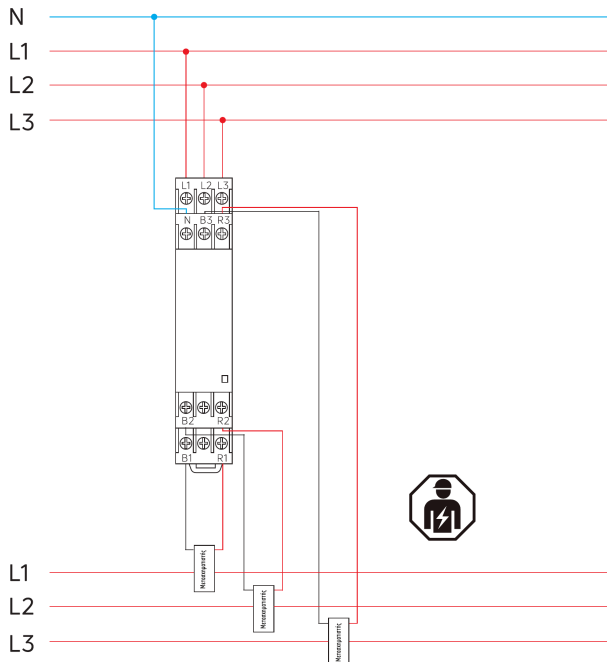
Measures both the energy consumed and energy flowing in the reverse direction.



Split-core transformers

The transformers open, so you can measure without disconnecting the load cables.

9 Connection diagram



L1-L3 Supply phases

N Neutral

B1 · R1 Transformer, phase L1

B2 · R2 Transformer, phase L2

B3 · R3 Transformer, phase L3



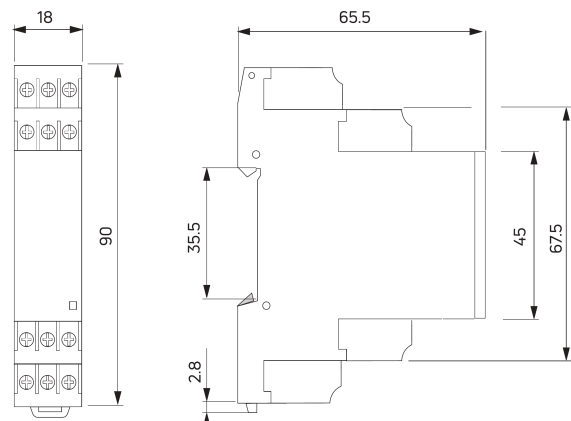
Wiring precautions

- 1 After opening the transformer, check the **P1** → **P2** direction: P1 → P2 measures positive active power, P2 → P1 measures reverse active power.
- 2 Each transformer has one black and one red wire: **black** → **B**, **red** → **R** of the same phase (L1 → B1/R1, L2 → B2/R2, L3 → B3/R3).
- 3 These terminals must not be connected incorrectly.

10 Specifications

Rated voltage	100–240 VAC, 50/60 Hz
Rated current	100 A / 250 VAC
Phases	3 (L1, L2, L3 + N)
WiFi frequency	2.4 GHz
Mounting	35 mm DIN rail (EN 60715)
Ambient temperature	–10 ... +60 °C
Metering	Bidirectional
Transformers	3, split-core
Sharing	Up to 20 users
Width	18 mm

11 Dimensions



All dimensions in mm.

Geyer Hellas S.A.

Drosia Chalkis, Evia

GR 34100, Greece

Tel: +30 22210 98711

cs@geyer.gr · www.geyer.gr

