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ER3100CT - Smart Three-Phase Wi-Fi Energy Meter

Basic data and installation



THREE-PHASE ENERGY METER WITH 3 EXTERNAL SPLIT-CORE CURRENT TRANSFORMERS

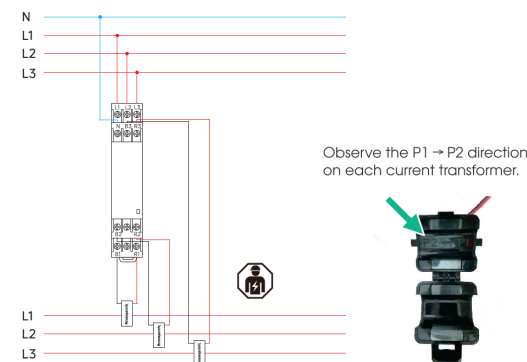
Bidirectional measurement up to 100 A per phase,
without routing the load through the meter.

Input voltage	100–240 VAC per phase
Maximum current	100 A per phase
Mounting	35 mm DIN rail · 1 module
Network	Wi-Fi 2.4 GHz

INSTALLATION STEPS

- 1 Fully isolate the electrical power supply.
- 2 Mount the ER3100CT on a 35 mm DIN rail.
- 3 Connect N, L1, L2 and L3 to their corresponding terminals.
- 4 Install each CT on its phase, close it fully, observe P1 → P2 and connect B1/R1, B2/R2, B3/R3.

WIRING DIAGRAM



Each current transformer must enclose its corresponding phase only.
Observe the P1 → P2 direction.

BEFORE PAIRING

2.4 GHz Wi-Fi with Internet access.

GEYER Smart and Bluetooth enabled on the phone.

ELECTRICAL SAFETY

Installation only by a licensed
electrician, with power isolated.

CORRECT MEASUREMENT

One CT per phase and correct P1 →
P2 direction.

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Pairing and basic use

GEYER Smart | Wi-Fi 2.4 GHz



GEYER Smart

Download the app and create an account or sign in to your existing account.



SCAN TO DOWNLOAD

Select "Sign up" or sign in.

ADD & PAIR IN 5 STEPS

The phone must be connected to 2.4 GHz Wi-Fi with Internet access.

1

Tap "+" or "Add Device".

2

Hold the button for about 5 s until the indicator LED starts flashing.

3

Enter the 2.4 GHz Wi-Fi password.

4

Wait and tap "Done".

5

Check live measurements for each phase.

BASIC FUNCTIONS



PER-PHASE VALUES

Voltage, current and power for L1 / L2 / L3.



BIDIRECTIONAL ENERGY

Imported and exported active energy.



HISTORY

Day, month and year statistics.



SHARING

Access for up to 20 users.

IF PAIRING FAILS

Check 2.4 GHz Wi-Fi, Internet, Bluetooth and network password.

Repeat the add-device process in the app.

Hold the button for about 5 s until the LED starts flashing.



MANUALS & DOCUMENTS

Scan for the detailed user manual and the remaining product documents.