

1

ER163CT - Smart Wi-Fi Energy Meter

Basic data and installation



SINGLE-PHASE ENERGY METER WITH EXTERNAL SPLIT-CORE CT

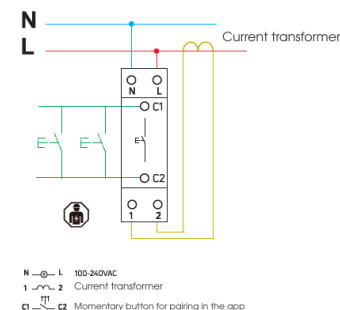
Measurement up to 70 A without routing
the load through the meter.

Input voltage	100-240 VAC
Maximum current	70 A
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 ER163CT on a 35 mm DIN rail.
- 3 Connect N and L to terminals N / L, and the CT wires to terminals 1 and 2.
- 4 Open the split-core CT, position it around the phase conductor and close it securely.

WIRING DIAGRAM



C1 / C2: optional momentary button for pairing.
The split-core CT must enclose one phase conductor only.

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

Place the CT around one phase
conductor only.

2

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

Press and hold the device 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 and history.

BASIC FUNCTIONS



LIVE MEASUREMENTS

Voltage, current, power and energy.



HISTORY

Daily, monthly and total energy.



NOTIFICATIONS

Push notifications for events.



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.

Press and hold the device button for about 5 s until the LED starts flashing.



MANUALS & DOCUMENTS

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