EN

3-Phase Meter
Quick Starter Guide

Installation

Before you can use your smart-me device, you have to connect it to your Wi-Fi network.
1. Connect your smartphone or tablet to the WLAN.
2. Download and install the free smart-me app.
3. Start the app and create a free account
4. Click on “Add Device” (+) and follow the instructions.

Quick Start

Device overview

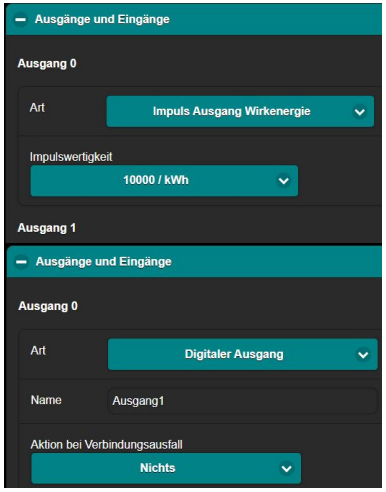
You will find the device overview at the top left. To change the grouping of your devices, visit the smart-me web portal.

Counter details
For a detailed view of a meter, click on the menu at the top left and select the corresponding meter.

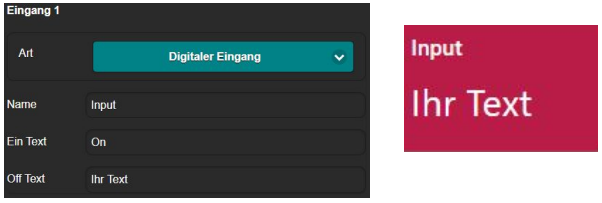
Event actions and IF / THEN actions
To configure event actions, go to and select "Edit". Then click on “Internal Event Actions”. IF / THEN actions can be configured in the web portal. Example: IF power is greater than 100 watts THEN send an alarm (e-mail).

Outputs S0-0 & S-1
Go to and select «Edit». Then click on «Outputs and Inputs». Both outputs can be configured here.

Type of output 0
The type of output 0 can also be set to «digital output». As soon as this is saved, an additional switch is visible in the device overview. (Attention max. Switching capacity <0.4W)



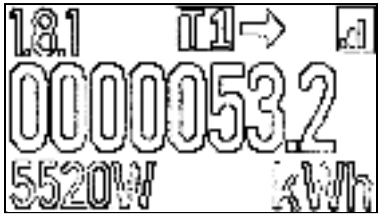
Settings digital input / tariff switching
To switch from tariff switching to the digital input, go to and select "Edit". Then click on «Outputs and Inputs». The digital input / tariff input can be configured here. As soon as this setting is saved, an additional tile is visible.



General Settings
To configure the general settings, go to and select «Edit». Then click on «General Settings».

Reactive energy
If this is to be displayed in the app and the web interface, this can be activated here (only possible with a professional subscription).

Display



T1	Active tariff 1 or tariff 2
	Current direction (right supply / left supply)
	WiFi / LTE signal strength
5520W	Currently measured power with unit
1.8.1	OBIS code for the displayed meter reading
00000532	Meter reading
kWh	Unit of the displayed meter reading

Display
The meter has a rolling display. The items described below are displayed in sequence. After the last point, it starts again at point 1:

1. Meter reading (OBIS code followed by meter reading)
- 1.8.1 (A+) Active energy import tariff 1
- 1.8.2 (A+) Active energy import tariff 2
- 2.8.1 (A+) Active energy delivery tariff 1
- 2.8.2 (A+) Active energy delivery tariff 2
- 5.8.0 (Q1) Total inductive reactive energy consumption
- 6.8.0 (Q2) Total capacitive reactive energy consumption
- 7.8.0 (Q3) Total inductive reactive energy delivery
- 8.8.0 (Q4) Total capacitive reactive energy delivery

2. Firmware (OBIS code followed by information)
- C.1.6 Ch: 9718 Firmware checksum
- 0.2.0 V 1.1 Firmware version

3. Error display (OBIS code followed by error messages)
- C.60.9 Fraud Flag (possible attempted fraud detected)
- PhL: 1 only phase L1 connected
- PhL: 2 only phase L2 connected
- PhL: 3 only phase L3 connected
- PhL: 23 Phase L1 not connected
- PhL: 13 Phase L2 not connected
- PhL: 12 Phase L3 not connected

Correct phase sequence: Numbers light up statically
Incorrect phase sequence: Numbers flash

Technical Data

Operating voltage	3 x 230 VAC
Reference current	5 (80) A
Accuracy class	Class B (1%)
Temperature range	–25 to +70 °C
Storage temperature	–40 to +85 °C
Rel. humidity	Average 75% short term 95% without condensation
Product certification	CE, MID 2014/32/EU CH load profile/reactive energy, RED
Measuring device category	CAT III
IP class	IP 20 IP 51 (front)
Environmental classes	Mechanical: M1 Electric: E2
Meter type	Four-quadrant meter (purchase and delivery) for active and reactive energy
Pulse output S0-0	Opto Power MOSFET, P_{MAX} = 0.4 W 12 VDC / 230 VAC
S0 pulse weight	1'000 Imp / kWh (configurable to 10'000 Imp / kWh)
Power output S-1	Relay, P_{MAX} = 1'500 W max. 230 VAC
Tariff input E1	12 VDC / 230 VAC

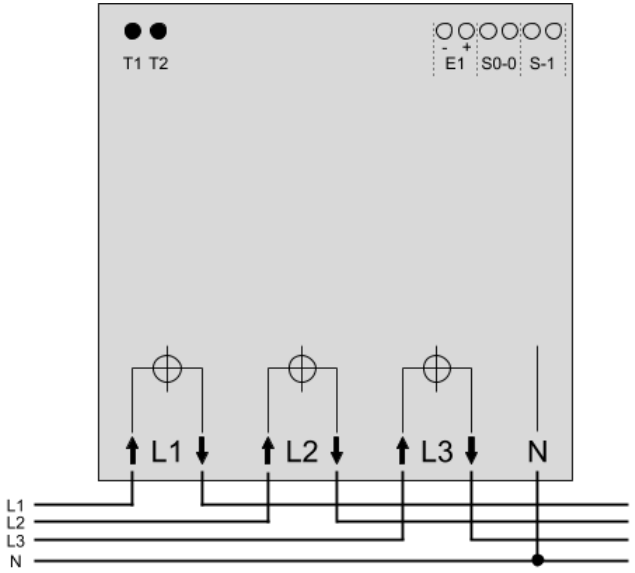
Subject to technical errors and changes

Safety Instructions

The safety instructions must be observed under all circumstances:

- The device is intended for use in buildings.
- The device is intended for operation in a dry, dust-free location without direct sunlight.
- Frequent switching on and off can shorten the life of electrical devices. Only set up automatic switching with frequent switching on and off if the connected devices are designed for this. We are not liable for any damage to connected devices.
- When installing or changing the device, the conductors connected to the device must be free of voltage.
- Touching live parts is life-threatening! For this reason, the relevant pre-fuses must be removed and stored in such a way that other people cannot re-insert them unnoticed.
- The device may only be installed by qualified and appropriately trained personnel.
- The local safety and factory regulations must be observed.
- For currents greater than 65A, the following cable requirements must be met: Installation cable T, cable Cu bare, cross section: 35mm2
- The energy meter must be installed in a cabinet with protection class IP51 or better

Wiring



T1 button for installation

T2 special functions

In short: If T2 is pressed› 2s, the green LED lamp switches on / off. If this is activated, it shows the connection status

Glowing green: connected to smart-me cloud

Flashing green: connection is currently established, at the moment no connection

Long: If T2 is pressed› 8s, the display of the power is switched between active and reactive power. In addition, the calibration pulse LED alternates between active energy and reactive energy.

Very long: If T2 is pressed› 14s, the S0-0 pulse output is switched between active power and reactive power.

ATTENTION: This setting only changes the display, not in the smart-me cloud (app and website). If the reactive energy is to be displayed in the cloud, this must be done in the general settings.

E1 tariff input, potential-free

Tariff 1: 0V (or not connected)

Tariff 2: 12VDC / 230VAC

adjustable as a digital input

S0-0 S0 pulse output, potential-free Power MOSFET with PMAX = 0.4 W, adjustable as a digital output

S-1 power output, potential-free relay with PMAX = 1,500 W

QUICK INSTALLATION GUIDE

3-PHASE METER

ENGLISH

smart-me

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