



# VOLTCRAFT SEM6000 Bluetooth Energy Consumption Meter Instruction Manual

[Home](#) » [VOLTcraft](#) » VOLTCRAFT SEM6000 Bluetooth Energy Consumption Meter Instruction Manual 

VOLTCRAFT SEM6000 Bluetooth Energy Consumption  
Meter Instruction Manual

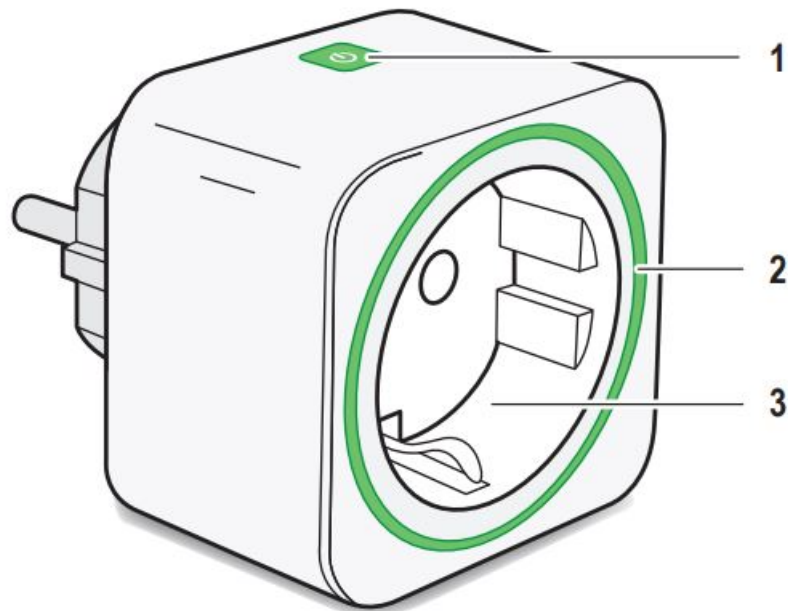
# ***VOLTCRAFT®***



**Operating Instructions  
SEM6000 Bluetooth Energy  
consumption meter**

**Item No. 2467903**

**CE**



1. On/Off button
2. Load indicator light
3. Receptacle

## Contents

- [1 Intended use](#)
- [2 Package contents](#)
- [3 Application](#)
- [4 Up-to-date operating instructions](#)
- [5 Explanation of symbols](#)
- [6 Safety instructions](#)
- [7 Connection](#)
- [8 Operation](#)
- [9 Reset](#)
- [10 Maintenance and cleaning](#)
- [11 Declaration of Conformity \(DOC\)](#)
- [12 Disposal](#)
- [13 Technical data](#)
- [14 Documents / Resources](#)
  - [14.1 References](#)
- [15 Related Posts](#)

## Intended use

The product acts as a power socket and is equipped with a push button that turns the power supply to attached loads on and off.

An accompanying app controls the product (on/off, timer, schedule) and displays recorded data. Product and app communicate via Bluetooth 4.0.

The product is intended only for the connection to a standard power socket with earth contact. Refer to the technical data section to learn more about the maximum permissible load.

The product is only designed for indoor use. Keep away from water and high-humidity sources and the areas where these conditions occur (e.g. bathroom).

Please read the operating instructions carefully and do not discard them. If you pass the product on to a third party, please hand over these operating instructions as well.

Any use other than that described above could lead to damage to this product and involves the risk of short circuits, fire, electric shock, etc. No part of the product may be modified or reconfigured! Please observe the safety instructions at all times!

This product complies with the legal national and European requirements. All names of companies and products are the trademarks of the respective owners. All rights reserved.

## Package contents

- Energy consumption meter
- Operating Instructions

## Application

There are compatible Android and iOS apps available from the respective app stores. Look for the “**Voltcraft SEM6000**” app and download it onto your smart device.

An app instruction manual is available from the URL listed in chapter “Up-to-date operating instructions”.

## Up-to-date operating instructions

Download the latest operating instructions via the link [www.conrad.com/downloads](http://www.conrad.com/downloads) or scan the QR code. Follow the instructions on the website.



## Explanation of symbols



The lightning symbol inside of a triangle is used when there is a potential risk of personal injury, such as electric shock.



This symbol indicates specific risks associated with handling, operation or use.



The arrow symbol indicates special tips and operating instructions.



Do not connect in series! This can lead to an overload of the product! There is a risk of fire!

## Safety instructions



**The warranty will be void in the event of damage caused by failure to observe these safety instructions! We do not assume any liability for any resulting damage! We shall not accept liability for damage to property or personal injury caused by incorrect handling or non-compliance with the safety instructions! The warranty/guarantee will be void in such cases!**

### a) General

- The unauthorized conversion and/or modification of the product is not allowed for safety and approval reasons. Do not open/disassemble!
- The product is designed in accordance with protection class I. Only a standard grounding mains socket of the public supply grid (a wall socket, for example) may be used as a power source.
- The mains socket into which the product is plugged must be easily accessible.
- The product is not a toy and should be kept out of the reach of children. Position the product so it is out of the reach of children.
- Do not leave the packaging material lying around carelessly as it may be a danger to children.
- The product is equipped with a protection against accidental contact. An integrated mechanism will release the holes of the receptacle only, if the two prongs of a power plug are inserted into the two holes at once.
- Take special caution when children are around. Children cannot recognize the danger arising from the incorrect use of electrical devices. There is a risk of a life-threatening electric shock!
- Handle the product with care; it can be damaged by impacts, blows or falls even from a low height.
- If you have any questions that are not answered in this manual, please contact our technical service or another specialist.

### b) Operating location

- The product may only be used in dry interiors; it must not get damp or wet! Never position the product in direct vicinity of a bathtub, shower, bathroom, swimming pool, or similar. Lethal hazard due to electric shock!
- The product must not be exposed to extremes of temperature, direct sunlight or strong vibrations. Keep the product away from strong magnetic fields generated by machines, electric motors or loudspeakers.
- Do not operate the device in environments where there are high levels of dust, flammable gases, vapours or solvents. There is a danger of fire and explosion!
- The device can warm up during use. Make sure not to place it on sensitive surfaces.
- Do not use this product in hospitals or medical institutions. Radiowaves may interfere with medical equipment. The same may also apply to other areas.

## c) Handling and use

- Never plug in, unplug or operate the product when your hands are damp or wet. There is a risk of a life-threatening electric shock! The same applies for the load that is plugged into the socket of the product.
- Never connect the product to the power supply immediately after it has been transferred from a cold room into a warm one (e.g. during transport). The condensation that forms might destroy the device. Moreover, there is danger of electric shock! Allow the product to reach room temperature. Wait until the condensation has evaporated. This might take several hours. Only then the product may be plugged into the mains socket and put into use.
- Always use the gripping surface to pull a mains plug out of the product. Never unplug a mains plug from a mains socket by pulling the cable.
- Never overload the product. Note the maximum permissible connected load in the chapter "Technical Data".
- Do not connect in series! This can lead to an overload of the product! There is a risk of fire!
- Do not operate while covered! At higher connected loads, the product becomes warm, which can lead to overheating and potentially a fire if covered!
- Disconnect the product from the mains socket in thunderstorms for reasons of safety.
- Volt-free only, if unplugged!
- Do not use the product if it is damaged. There is a risk of a life-threatening electric shock! In this case, dispose of the product in an environmentally correct manner. Safe operation can no longer be assumed if:

- the product shows visible signs of damage
- the product does not work at all or works poorly (leaking smoke or a smell of burning, audible cracking noises, discolouration to the product or the adjacent surfaces)
- the product was stored under unfavourable conditions
- it was exposed to heavy loads during transport

- Never pour any liquids above or next to the product. You run the risk of causing a fire or a fatal electric shock. If any liquid has still managed to enter the device, immediately switch off the power supply to the mains socket at which the product is connected (turn off the fuse / circuit breaker / residual current operated circuit breaker of the associated circuit). Only then can you unplug the product from the mains socket and contact a specialist. Do not use the product any longer.
- Always pull the product out of the mains socket (e.g. wall socket) before cleaning it or when the device will not be in use for a long time (e.g. for storage).
- Use the product only in a temperate climate, never in a tropical climate.




## Connection

- Plug the energy meter into a regular grounded mains socket (wall socket) of the public supply grid.
- Plug the desired load into the receptacle (3) of the smart socket. Always turn the energy meter off before connecting a load.

## Operation

- Press the On/Off button **(1)** to turn on the energy meter to the connected load. The load indicator light **(2)** lights up.

- Press the button again to turn off the power supply to the connected load. The load indicator light goes out.
- Note the colours of the indicator light and their relationship to power consumption of the connected load:

| Colour           |   | Power consumption |
|------------------|---|-------------------|
| Greenish         |  | Low               |
| Yellow to Orange |  | Medium            |
| Red              |  | High              |

→ Additional functionality is available in connection with the accompanying app. Make sure to read the app instruction manual.

## Reset

To restore the factory settings, hold down the On/Off button for 5 seconds.

## Maintenance and cleaning

- The product does not require any maintenance. You should not open/disassemble it. Repair or maintenance work must be carried out by a specialist.
- Before cleaning, turn the product off and disconnect it from the power supply. Disconnect connected loads.
- You can use a clean, dry, soft cloth for cleaning. Dust can be very easily removed with a soft, clean brush and a vacuum cleaner.
- Do not use aggressive chemical or scouring cleaning agents, as this may lead to discolouration or changes in the material on the surface.

## Declaration of Conformity (DOC)

Conrad Electronic SE, Klaus-Conrad-Straße 1, D-92240 Hirschau, herewith declares that this product conforms to the 2014/53/EU directive.

→ The full text of the EU declaration of conformity is available at the Internet address below:  
[www.conrad.com/downloads](http://www.conrad.com/downloads)

Select a language by clicking on the corresponding flag icon, and then enter the order number of the product into the search box. You may then download the EU declaration of conformity as PDF file.

## Disposal



Electronic devices are recyclable waste and must not be disposed of in the household waste. At the end of its service life, dispose of the product in accordance with applicable regulatory guidelines.

You thus fulfil your statutory obligations and contribute to the protection of the environment.

#### Technical data

|  |  |
|--|--|
| Rated Input.....                                     | 220 – 240 V/AC, 50 Hz, 16 A                                  |
| Overcurrent protection.....                          | 16.8 A ( $\pm 2$ %)  |
| Standby power<br>consumption .....                   | 0.2 – 0.8 W  |
| Bluetooth .....                                      | BLE( Bluetooth 4.0 Low Energy)                               |
| Bluetooth frequency.....                             | 2.4 GHz (2.379 GHz – 2.496 GHz)                              |
| RF output power .....                                | 0 dBm  |
| Bluetooth range .....                                | max. 15 m  |
| Protection class .....                               | I  |
| Enhanced protection<br>against accidental contact .. | yes  |
| Operating conditions.....                            | 0 to +40 °C, 10 – 90 % relative<br>humidity, non-condensing  |
| Storage conditions.....                              | -10 to +70 °C, 5 – 90 % relative<br>humidity, non-condensing |
| Weight .....   | approx. 90 g   |
| Dimensions (W x H x D) .....                         | 55 x 55 x 72 mm  |

Measuring:



|                     | Range      | Subrange   | Tolerance |
|---------------------|------------|------------|-----------|
| <b>Power</b>        | 0 - 4113 W | <1 W       | ±0.23 W   |
|                     |            | 1 to <5 W  | ±10 %     |
|                     |            | 5 to ≤10 W | ±2 %      |
|                     |            | >10 W      | ±1 %      |
| <b>Power factor</b> | 0 – 1      | <10 W      | ±20 %     |
|                     |            | ≥10 W      | ±2 %      |


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## Documents / Resources

|  |   |
|--|---|
|  <p>         Bedienungsanleitung<br/>         SEM6000 Bluetooth<br/>         Energy Consumption Meter<br/>         Ser.-Nr. 2467903       </p> <p>         Operating Instructions<br/>         SEM6000 Bluetooth Energy<br/>         consumption meter<br/>         Ser. No. 2467903       </p> <p>CE</p> | <p><a href="#">VOLTcraft SEM6000 Bluetooth Energy Consumption Meter</a> [pdf] Instruction Manual SEM6000, 2467903, Bluetooth Energy Consumption Meter, SEM6000 Bluetooth Energy Consumption Meter</p> |
|--|---|

## References

- [Conrad Electronic » Your Sourcing Platform](#)
- [Document](#)