







- You should also heed the additional safety instructions in each chapter of the operating instructions for the connected devices.
- Never switch the device on immediately after taking it from the cold into a warm environment. Condensation that forms might destroy your device. Allow the device to reach room temperature before switching it on.

## Operating instructions

### Basetech Cost Control

Item no. 125417 (CH)  
Item-No. 125416 (FR/CZ)  
Item-No. 125414 (UK)

#### Intended use

The energy cost measuring device is intended for measuring and analysing consumption details of electrical devices. The measuring device is connected easily between the mains socket and the electric device and requires no additional installation. It is only to be used with standard domestic mains sockets with a nominal voltage of 240 V/AC. The max. nominal performance must not exceed 3120 watts.

To calculate the costs, the current valid electricity rate can be entered. Further, the device provides a cost forecast per day/month/year.

The consumption details can be displayed and adjusted on the device even when it is unplugged from a power socket. To do this, the device contains two button cell batteries. The device is only to be used with the specified batteries.

The measuring device is not officially calibrated and therefore must not be used for billing purposes.

The measuring instrument must not be used when it is open, i.e. with an open battery compartment or when the battery compartment cover is missing. Do not make measurements in damp rooms or under unfavourable ambient conditions.

Unfavourable ambient conditions are:

- Wet conditions or high air humidity,
- Dust and flammable gases, vapours or solvent,
- Thunderstorms or similar conditions such as strong electrostatic fields etc.

Any use, other than the one described above, may damage the product. Moreover, this involves hazards such as e.g. short circuit, fire, electric shock, etc. It is not allowed to modify or rebuild any part of the product!

Read the operating instructions carefully and keep them for later reference.

The safety instructions are to be observed without fail!

#### Package contents

- Energy cost measuring device
- 2 button cell batteries (type LR 44 or identical in design)



#### 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



An exclamation mark indicates important instructions in this operating manual which must be observed without fail.



This product has been CE tested and complies with the required European guidelines.



Only to be used in dry indoor areas.

#### CAT II

The device corresponds to the excess-voltage category II for implementation in devices that are directly connected to the public grid via a mains plug.

#### Safety Instructions



Please read all the instructions before using this device, they include important information on its correct operation.

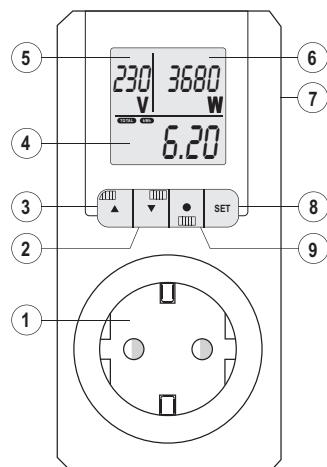
The warranty will be void in the event of damage caused by failure to observe these safety instructions! We do not assume any liability for any consequential damage!

We do not assume any liability for material and personal damage caused by improper use or non-compliance with the safety instructions! The warranty will be void in such cases.

- This device left the manufacturer's factory in a safe and perfect condition.
- The unauthorized conversion and/or modification of the product is inadmissible for reasons of safety and approval.
- If you have doubts about how the equipment should be operated or how to connect it safely, consult a trained technician.
- Observe the safety and operating instructions of any devices you connect to the device, as well as those you find in the individual chapters of these operating instructions.
- Never touch the device with wet or moist hands. There is danger of a life-threatening electric shock.
- Keep the unit out of the reach of children. It is not a toy.
- On industrial sites, the accident prevention regulations of the association of the industrial workers' society for electrical equipment and utilities must be followed.
- Since the device generates heat when in use, ensure there is sufficient ventilation provided; do not cover the housing!! If you have a reason to believe that the device can no longer be operated safely, disconnect it immediately and secure it against being operated unintentionally. It can be assumed that safe operation is no longer possible if:
  - the device is visibly damaged,
  - the device no longer works and
  - the unit was stored under unfavourable conditions for a long period of time or
  - it has been subjected to considerable stress in transit.

#### Description of the Parts

- 1 Protective-earth contact socket with child protection
- 2 Control and setting key „▼“ (downwards)
- 3 Control and setting key „▲“ (upwards)
- 4 Display: Display area „bottom“
- 5 Display: Display area „Left“
- 6 Display: Display area „Right“
- 7 Rear battery compartment
- 8 „SET“ key for parameter setting
- 9 Control and setting key „●“ (Confirmation)



#### Display indications and Symbols

▲	Up symbol
▼	Down symbol
●	Confirmation symbol
SET	Adjustment
MAX	Maximum value display
POWER FACTOR	Display of the power factor CosPhi
TOTAL	Total value
COST	Cost display
TIME	The actual operating time for the electric consumer load, e. g. for fridges.
FORECAST	Calculated cost forecast
DAY	Cost forecast per day
MONTH	Cost forecast per month
YEAR	Cost forecast per year
V	Volt (unit for electric tension)
A	Ampere (unit for electric current)
Hz	Hertz (unit for frequency)
W	Watt (unit for effective power)
COS	Power factor (factor for the phase displacement of V and A)
kWh	Kilowatt hour (Unit for energy usage)

#### Start-up

##### Inserting/Replacing the Batteries

Before using for the first time or when the display does not show any values after pressing the button, the coin cell batteries must be inserted or replaced.

The batteries are used to ensure that the set parameters and measured values are saved in the device even when it is unplugged.

**The battery compartment (7) must only be opened if the device is unplugged.**  
Remove the batteries, if you are not going to use the device for a while, to prevent damage from leaking batteries since even leak proof batteries may corrode. Only handle leaking or corroded batteries with suitable protective gloves. Risk of acid burns.

**Do not leave batteries lying around carelessly. They might be swallowed by children or pets. If swallowed, consult a doctor immediately.**

**Make sure that the batteries are not short-circuited. Do not throw batteries into a fire.**

**Batteries (non-rechargeable) must not be recharged. There is danger of explosion.**

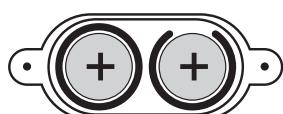
##### To insert/replace the batteries proceed as follows:

Disconnect the device from the mains socket and remove all connected cables.

Remove the two rear screws from the battery compartment. Remove the lid carefully.

Insert two new button cells of the same type into the battery compartment, paying attention to the correct polarity. The plus pole of both batteries should point outwards.

Close the battery compartment and screw back in place.



#### Display

The display is divided into three parts in order to show several parameters simultaneously. The selection of the parameters for the individual display areas is done with the keys 3, 2 and 9. The grid symbols on the keys indicate the display area.

Each time you press an individual key, the display is switched to the next parameter.

Key 3 switches the display area on the left top,

Key 2 switches the display area on the right top,

Key 9 shifts the display area on the bottom.









