



ANSMANN APM2 Energy Cost Measuring Device User Manual

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ANSMANN APM2 Energy Cost Measuring Device



Product Information

- Product Name: APM2
- Languages: DE | EN | FR | IT | NL
- Intended Use: This device is an energy measurement device that allows you to measure and store the electrical power of household appliances connected to the 230V mains.

Product Usage Instructions:

1. Initial Use:

- Press the “RESET” button with a paper clip to clear all settings.

2. Setting the Individual Electricity Tariff:

- You can set your costs per kWh, which you can take from your electricity tariff. (max. 99.99)
- Press and hold the “COST” button for more than 3 seconds. The display will start flashing.
- Press the “FUNCTION” button repeatedly to navigate to the position you want to change.
- Use the “UP” and “DOWN” buttons to change the value. Use the “FUNCTION” button to jump to the next digit. Repeat this until the cost per kWh is set correctly.
- Press the “COST” button again to save your values. The unit is now ready.

3. Display Modes:

- Time Display: In the three-part display, the topmost line shows how long the unit has been measuring. The value continues to run with each measurement until a reset is performed. If the measurement exceeds 24h, the display jumps back to 00:00 and the days are enumerated in the “KWH” display mode

(see 3.8). The maximum measurement duration is 9999 days.

GENERAL INFO / FOREWORD

Please unpack all parts and check that everything is present and undamaged. Do not use the product if damaged. In this case, contact your local authorized specialist or the service address of the manufacturer.

SAFETY – EXPLANATION OF NOTES

Please take note of the following symbols and words used in the operating instructions, on the product and on the packaging:



= Information | Useful additional information about the product



= Note | The note warns you of possible damage of all kinds



= Caution | Attention – Hazard can lead to injuries



= Warning | Attention – Danger! May result in serious injury or death


GENERAL

These operating instructions contain important information for the first use and normal operation of this product. Read through the complete operating instructions carefully before using the product for the first time. Read the operating instructions for other devices which are to be operated with this product or which are to be connected to this product. Keep these operating instructions for future use or for future users' reference.

Failure to follow the operating instructions and safety instructions may result in damage to the product and hazards (injuries) for the operator and other persons.

The operating instructions refer to applicable standards and regulations of the European Union. Please also adhere to the laws and guidelines specific to your country.

GENERAL SAFETY INSTRUCTIONS

- This product may be used by children from the age of 8 and by persons with reduced physical, sensory or mental abilities or lack of experience and knowledge, if they have been instructed on the safe use of the product and are aware of the hazards. Children are not permitted to play with the product. Children are not permitted to carry out cleaning or care without supervision.
- Keep the product and the packaging away from children. This product is not a toy. Children should be supervised in order to ensure that they do not play with the product or packaging.
- Do not leave the device unattended whilst operating.
- Do not expose to potentially explosive environments where there are flammable liquids, dusts or gases.
- Never submerge the product in water or other liquids.
- Use only an easily accessible mains socket so that the product can be quickly disconnected from the mains in the event of a fault.
- Use the product exclusively with the accessories included with it.
- Do not use the device if it is wet. Never operate the device with wet hands.
-  The product may only be used in closed, dry and spacious rooms, away from combustible materials and liquids. Disregard can result in burns and fires.

DANGER OF FIRE AND EXPLOSION

Do not use while still in the packaging.

Do not cover the product – risk of fire.

Never expose the product to extreme conditions, such as extreme heat/cold etc.

Do not use in the rain or in damp areas.

GENERAL INFORMATION

- Do not throw or drop
- Do not open or modify the product! Repair work shall only be carried out by the manufacturer or by a service technician appointed by the manufacturer or by a similarly qualified person.
- Disconnect the device from the power supply only by pulling on the plug or plug housing, never on the cable.
- Only plug in one device at a time.

ENVIRONMENTAL INFORMATION | DISPOSAL

Dispose of packaging after sorting by material type. Cardboard and cardboard to the waste paper, film to the recycling collection.



■ Dispose of the unusable product in accordance with legal provisions. The „waste bin“ symbol indicates that, in the EU, it is not permitted to dispose of electrical equipment in household waste.



For disposal, pass the product on to a specialist disposal point for old equipment, use the return and collection systems in your area or contact the dealer from whom you purchased the product. In this way you will fulfil your legal obligations and contribute to environmental protection.

LIABILITY DISCLAIMER

The information contained within these operating instructions can be changed without prior notification. We accept no liability for direct, indirect, incidental or other damage or consequential damage arising through improper handling/use or through disregard of the information contained within these operating instructions.

PROPER INTENDED USE

This device is an energy measurement device that allows you to measure and store the electrical power of household appliances connected to the 230V mains.

FUNCTIONS

Cost calculation for the total measurement

- Energy consumption (kWh)
- Current power (W)
- Current mains voltage (V)
- Current electrical current strength (A)
- Current mains frequency (Hz)
- Power factor (PF)
- Measured max. power
- Measured min. power

- Time period of the measurement
- Reset button
- Child safety device

INITIAL USE

Press the ‚RESET‘ button with a paper clip to clear all settings.

SETTING THE INDIVIDUAL ELECTRICITY TARIFF

1. You can set your costs per kWh, which you can take from your electricity tariff. (max. 99.99)
2. Press and hold the „COST“ button for more than 3 seconds.
The display will start flashing.
3. Press the „FUNCTION“ button repeatedly to navigate to the position you want to change.
4. Use the „UP“ and „DOWN“ buttons to change the value. Use the „FUNCTION“ button to jump to the next digit.
Repeat this until the cost per kWh is set correctly.
5. Press the „COST“ button again to save your values. The unit is now ready.

DISPLAY MODES

Time display

In the three-part display, the topmost line shows how long the unit has been measuring. The value continues to run with each measurement until a reset is performed. If the measurement exceeds 24h, the display jumps back to 00:00 and the days are enumerated in the „KWH“ display mode (see 3.8). The maximum measurement duration is 9999 days.

Mains voltage and frequency

The display „V“ stands for volts and shows the current mains voltage of the socket used (max. 9999V), as well as the mains frequency in „Hz“, Hertz (max. 9999 Hz).

Current strength and power factor

The display „A“ stands for amperes and shows the electrical current currently flowing to the end device (max. 9999A). The display „Power Factor“ shows the power factor of the end device (max. 1.0).

Minimum power

The display „W Low“ shows the lowest measured power draw during the measurement (max. 9999W)

Maximum power

The display „W High“ shows the highest measured power draw during the measurement (max. 9999W)

Costs per kWh

The display „COST / kWh“ shows the programmed value of the costs per kWh (max. 99.99)

Current power and summed costs

The display „W“ stands for watts and shows the current power draw (max. 9999W). The display „COST“ shows the summed costs during the measurement (max. 9999).

Energy consumption and days display

The display „KWh“ shows the summed energy consumption in kWh (max. 9999kWh). The display „DAY“ counts the days if the measurement has continued for more than 24h (max. 9999 days)

RESET

Use a paper clip to press the reset button in the middle of the control panel to reset the device and delete all values.

OVERLOADING

In the event of the device being overloaded with a power consumption above 3680W, the „OVERLOAD“ warning will appear in the display.

TECHNICAL DATA

- Connection: 230 V AC / 50 Hz
- Load: max. 3680 / 16 A
- Measuring category: CAT II
- Protection class: I
- IP protection class: IP20
- Power consumption at no-load: 0.200 W
- Operating temperatures: -10°C ... +40°C
- Battery (NIMH 1.2V) >100 days

The product complies with the requirements from the EU directives.

Subject to technical changes. We assume no liability for printing errors.

Documents / Resources



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APM2 Energy Cost Measuring Device, APM2, Energy Cost Measuring Device, Cost Measuring Device, Measuring Device, Device

References

-  [ANSMANN AG](#)