

PeakTech 2240 AC Power Source User Manual

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PeakTech[®]

2240 AC Power Source
User Manual



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Safety Precautions

This product complies with the requirements of the following directives of the European Union for CE conformity: 2014/30/EU (electromagnetic compatibility), 2014/35/EU (low voltage), and 2011/65/EU (RoHS).

To ensure the safe operation of the equipment and eliminate the danger of serious injury due to short circuits (arcing), the following safety precautions must be observed.

Damages resulting from failure to observe these safety precautions are exempt from any legal claims.

Connection:

- This unit may only be used in accordance with its field of application
- Before connecting the device to an electrical outlet, make sure that the rated voltage on the unit matches the local power supply
- Connect safety class I devices only to sockets with earthing contact
- Use only for the device-suitable accessories

Operating conditions:

- This unit is only suitable for indoor applications in dry rooms
- Operate the device only with dry clothes and hands
- Do not place the device on damp or wet ground
- Do not expose to extreme temperatures, direct sunlight, extreme humidity or dampness
- Avoid strong shaking and tipping over the appliance
- Before starting the operation, the device should stabilize to the ambient temperature (important when transporting cold to hot environments and vice versa)
- Condensation can cause damage to the device/user and should be avoided
- Do not place liquids on or near the device (risk of short circuit)

Handling equipment:

- This unit is to operate only by – or under the supervision of trained personnel
- Keep the ventilation slots in the housing uncovered (to cover the risk of heat build-up inside the unit)
- Do not put metal objects through the vents
- Do not operate close to strong magnetic fields (motors, transformers, etc.)
- Do not exceed maximum input values under any circumstances (serious injury and / or destruction of the device)
- Never operate the device when it is not completely closed
- Check device and accessories for possible damage before use. If in doubt, do not apply
- Always comply with warnings labels on the appliance
- Devices shall not be operated without supervision
- Carry out appliances of voltages above 35V DC or 25V AC only in accordance with the relevant safety regulations. At higher voltages particularly dangerous electric shocks may occur
- Avoid any explosive and inflammable materials nearby the device
- Do not modify the equipment in any way

Maintenance:

- Opening the device and maintenance/repair work may be performed only by qualified service personnel or a specialist workshop
- Replace defective fuses only with a fuse corresponding to the original value
- Never short fuse or fuse holder

Cleaning the unit:

Pull out the mains plug from the socket before cleaning the appliance. Only use a damp, lint-free cloth. Do not use steel wool or abrasive cleaning agents but commercially available detergent. When cleaning, make absolutely sure that no liquid enters the interior of the appliance. This could lead to a short circuit and destroy the device.

Specifications

output power	2,5 A AC max. Note: the max. output refers only to an ohmic load
Nominal power	500 W
output voltage	230 V AC; 50 Hz
line voltage	230 V AC; 50 Hz
Dielectric Strength	4200 V DC (1 min, 10 mA)
Isolation Resistance	7 M (500 V DC)
fuse	4 A/250 V
Outlet	C-Type outlet without protection earth (PE)
Operating temp. orange stor age temp. range	10 ... + 40°C 10 ... + 50°C C74
Dimensions (WxHxD)	160 x 135 x 210 mm
Weight	7,5 kg
Accessories	power cord, operation manual

Additional advice to isolating transformers

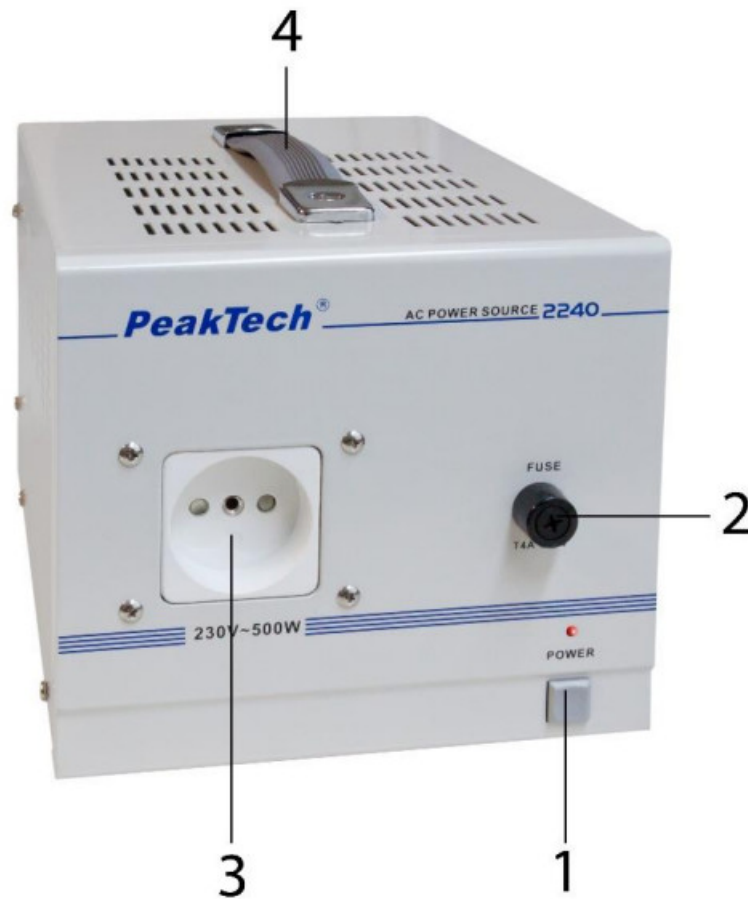
The PeakTech® 2240 is a protection class I devise, so the primary side has a protective earth connection of the housing, but without reference to the secondary side.

The secondary side of the isolating transformer is galvanically isolated from the primary side and outputs the voltage without additional smoothing or voltage conversion at the C-type outlet socket.

The principle of operation of an isolating transformer: Since the secondary-side voltage has no relation to the earth's potential, no faulty current can flow through the protective grounding or the primary-sides neutral conductor. This reduces the risk of electric shock and therefore a danger to the user is prevented.

When used with a measuring device (eg oscilloscope) the measured object has always to be connected to the isolating transformer, but the measuring device itself only when it is necessary.

Operating Panel



1. Power switch
2. Primary fuse Socket
3. Secondary voltage output (230 V/50 Hz)
4. Handle grip

Preparations for using the AC power source

 Before inserting the mains plug in the power outlet ensure that the line voltage corresponds with the selected line voltage of the AC power source.

4.1. Adjustment of output voltage

Caution ! Before connecting this power supply to the load ensure that the specified maximum output current is not exceeded. Further please consider that only one load is allowed to connect to the AC power source.

1. Disconnect the power cord from the AC power source.
2. An adjustment of the output voltage is not possible. The output voltage is corresponding to the input voltage. If 230V is the adjusted input voltage, the output voltage is 230V too.
3. The power supply is now ready for operation.

4.2. Maintenance

If the AC power source does not function properly or becomes otherwise defective, return to your local dealer for repair.

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This manual is according to the latest technical knowledge. Technical changing which are in the interest of progress are reserved.

We herewith confirm that the unit meets the technical specifications.

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Documents / Resources

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References

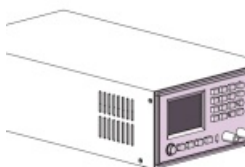
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