

A42845

Radiant Heat Source

NFU 120



Purpose:

The Radiant Heat Source is designed for bench top use during Physics experiments. It has been designed to offer an alternative to the open element cylindrical radiant heat source.

Ratings:

Mains input	230V nominal, 50 to 60Hz
Power	0.3KW
Fuse	3A-F
Output wavelength	2.5 to 3.5 μm nominal
Dimensions	W192 x D171 x H235mm
Mass	2kg

Warnings:

For your safety, this product should be used in accordance with these instructions, otherwise the protection provided may be impaired.



The 50H is a heating unit. It has been carefully designed to minimise the exposed hot surfaces, however the guard around the heating element will get very hot during use (over 80°C). The guard will remain hot for at least ten minutes after the unit is switched off. Do not touch the guard while the unit is switched on, or for at least ten minutes after it has been switched off. Never place the unit with the element facing downwards, even when switched off.

version A48215.20.10

The product is not a space heater.

Use only for set experiments and switch off when not in use.

Never leave the heater switched on unattended.

Never place anything on top of the heater.

Long term exposure to infrared radiation is harmful.

Minimise exposure to eyes and skin.

Switch off when not in use.

Keep the mains power lead to the rear of the heater.

EMC:

This equipment is Class A according to the EMC standard EN 55011 and is intended for use in a non-domestic environment only.

Do not open or remove covers or panels. Repairs and service may only be carried out by our repair agent, otherwise the warranty may be void.

Use only the 3-core mains cable supplied with the unit. If the mains cable is replaced, the rating of the replacement must be the same or better than the original.

The unit must be earthed at all times. The unit is earthed/grounded through the 3-core mains lead, so no additional earth connection is required.

Always position the power supply so that it can be disconnected from the mains, if an emergency arises.

This unit is intended for use in DRY conditions. Avoid spillage of water and other liquids on to the unit. If spillage occurs, disconnect the mains supply.

There is no specific requirement for insulation of external circuits as they cannot become hazardous live, as a result of connection to this unit. Limit the length of any connecting leads to 3 metres.

Features:

The fully enclosed (apart from the the output grille) steel case is earthed via the IEC mains lead.

An illuminated on/off switch.

The broad base with rubber feet minimizes the possibility of it being accidentally tipped over. If this should happen, the radiating front surface is prevented from making actual contact with the bench top.

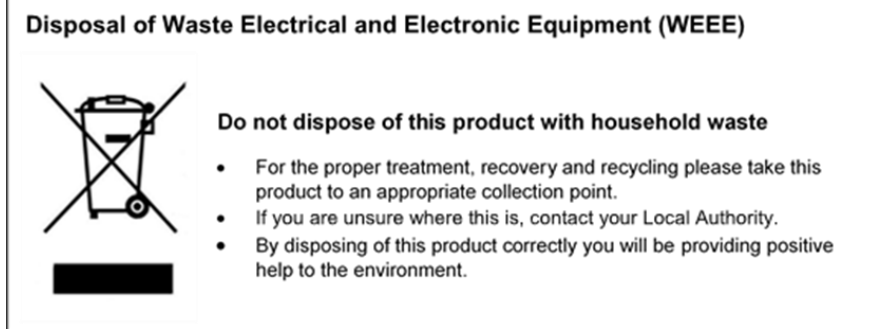
For transportation, the rear of the case is provided with a carrying handle.

version A48215.20.10

Periodic testing:

Check the mains lead and plugs at both ends for any damage.

Periodically check the earth bonding and insulation, by performing a Portable Appliance Test (PAT). Most schools and local authorities have a regular schedule for such testing.



Warranty, repairs and spare parts:

The Radiant Heat Source is guaranteed for a period of two years from the date of delivery to the customer. This warranty does not apply to defects resulting from the action of a user such as misuse, improper wiring, any operations outside of its specification, improper maintenance or repair, or unauthorized modification.

Our liability is limited to repair or replacement of the product. Any failure during the warranty period should be referred to Customer Services.

In the event of a fault, apart from replacing the instrument fuse in the IEC socket, the power supply should be referred to the Philip Harris recommended repair agent.

Please contact Customer Services or techsupport@philipharris.co.uk for advice

Instructions for authorized service technicians:

Ensure that any replaceable mains cord is of the correct rating.

Ensure that all earth conductors and protective earth bonding is maintained after service work.

Please refer to the detailed service procedures, safe servicing and continued safety - contact techsupport@philipharris.co.uk for advice.

For any manufacturer specific parts please refer to our recommended repairer.

Please refer to product specific risks that may affect service personnel, the protective measures and verification of the safe state after repair.

Supplier details:

Philip Harris Education, 2 Gregory Street, Hyde, Cheshire SK14 4RH

Orders and Information Tel: 0845 120 4521

Fax: 0800 138 8881

Repairs Tel: 0845 120 3211

E-mail: techsupport@philipharris.co.uk

Website: www.philipharris.co.uk

© Philip Harris Education, 2002, 2015

version A48215.20.10