

Thermo Scientific Slimline Hotplate

User Guide

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Anatomical Pathology

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Company information

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These instruments conform to the essential requirements of:

- Low Voltage Directive 2014/35/EU
- EMC Directive 2014/30/EU

Symbols

The following symbols and conventions may be used throughout this document and on the instrument:



This symbol is used on the equipment, or in a document, to indicate that instructions must be followed for safe and correct operation. If this symbol appears on the instrument always refer to the operator guide.



This symbol indicates that a surface is hot. If this symbol appears on the instrument or in the documentation always refer to the operator guide. Take suitable precautions



Manufacturer



Be aware of the samples used. They may pose a biohazard. Observe good laboratory practice when handling tissue.

A warning is given in the documentation if there is a danger of personal injury or damage to equipment or samples.

Note: Notes give additional information about a job or instruction, but do not form part of the instruction.



Recommended consumables

From cassettes and paraffins to slides and stains, we offer a full line of Thermo Scientific consumables designed to fit the needs of today's most-demanding labs. Availability varies by region. For complete details, please contact your local Thermo Fisher Scientific representative or visit www.thermofisher.com/pathology.



Thermo Scientific Paraffin

	Volume	Quantity	Order No.
Thermo Scientific Signature Series Paraffin			
Type H, high polymer	0.9 kg	10/cs	8338
Type L, low polymer	0.9 kg	10/cs	8339
Thermo Scientific Histoplast PE, IM, LP			
Histoplast PE	1 kg	8/cs	8330
Histoplast IM	1 kg	8/cs	8331
Histoplast LP	1 kg	8/cs	8332
Paraffin Type 1, 3, 6, 9			
Type 1	0.9 kg	10/cs	8334
Type 3	0.9 kg	10/cs	8335
Type 6	0.9 kg	10/cs	8336
Type 9	0.9 kg	10/cs	8337



General notes

This product is designed for laboratory use only. Always follow good laboratory practice.

If this product is not used in accordance with these instructions then basic safety protection may be affected.

The mains supply cord fitted to this product is heat resistant and should be replaced with an equivalent type.

Before using any cleaning or decontamination method please refer to the Maintenance and Cleaning section to ensure the proposed method will not damage the unit.

Connect only to a power supply with the corresponding voltage to that specified on the rating label positioned on the rear of the unit.

Ensure that the power supply has an earth (ground) terminal.

Specimen safety


It is the users responsibility, to ensure that the temperature set on the instrument, is at a level where no damage is caused to diagnostic specimens used with the equipment. In the event of this instrument malfunctioning, all specimens within the device should be checked to ensure no harm or damage to the specimen has been caused.

User safety

The equipment you have purchased complies with the European EMC Directives and Low Voltage Directive as indicated in the EC Declaration of Conformity included in the document.

This instrument has been designed and constructed in a manner which minimises the risk of electrical shock to the operator, offers maximum protection from overheating and provides clear and adequate labelling of instrument controls.

The instrument requires no regular servicing, but Nickel-Electro Ltd do recommend an annual inspection, as detailed in the manual which will prolong the life of the instrument to ensure continued safety.

 Do not touch any electrical contacts or open any closure plates.
RISK OF ELECTRIC SHOCK!!

Specification

Dimensions: Width 183 mm x Depth 450 mm x Height 85.5 mm

Capacity: 28 Slides (2 rows of 14 slides)

Weight: 2.2 Kg (4.4lbs)

Temperature range: ambient to 95 °C (+/-1 °C) at 20 °C

Display: Digital display with 0.5 ° accuracy

Safety: Class 1 cut out

Heater power: 400 watts

Power supply: Dual voltage 220-240 V 50/60 Hz - A84600030
 110-120 V 50/60 Hz - A84600031
 220-240 V 50/60 Hz (China) - A84600032

Environment

This instrument is required to comply with the European Union's Waste Electrical and Electronic Instrument (WEEE) Directive 2002/96/EC. It is marked with the following symbol:



Thermo Fisher Scientific has contracts with one or more recycling / disposal companies in each EU Member State, and this product should be disposed of or recycled through them. For further information contact your Thermo Fisher Scientific service representative



EC Declaration of Conformity

We herewith confirm the following products:

- Slimline Hotplate 230 V A84600030
- Slimline Hotplate 110 V A84600031
- Slimline Hotplate 230 V (China Mains Lead)A84600032

Conforms with requirements outlined by the following European Directives:

- Low Voltage Directive 2014/35/EU
- EMC Directive 2014/30/EU
- RoHS Directive 2011/65/EU

We confirm the declaration:

Nickel Electro Ltd
Oldmixon Crescent
Weston Super Mare
North Somerset
BS24 9BL
United Kingdom

Conforms with the requirements of the following standards:

- BS EN 61010-1: 2010
- BS EN 61010-2.010: 2014
- Safety requirements for electrical equipment for measurement, control and laboratory use.
- BS EN 61326-1: 2013
- Electrical equipment for measurement control and laboratory use - EMC requirements.

Portable appliance testing

Portable appliance testing should be carried out by a qualified person.



THIS EQUIPMENT MUST NOT BE FLASH TESTED!

Miniature circuit breakers

Located on the rear of the instrument. In the event of a fault, push back in to reset. If fault condition continues, please contact your Service Engineer.

Routine inspection recommendations

Nickel-Electro Ltd recommend that a simple annual inspection be made for all Thermo Scientific laboratory equipment. This is to ensure user safety and prolong instrument life span.

Recommended checks to be made:

1. Condition of Power Lead: a visual inspection to ensure the insulation is not damaged and that the correct fuse is fitted.
2. Functioning of Heater On Lamp: heater lamp should be on when the instrument is warming up.
3. Condition of the Heated Surface: surface of the hotplate should be free from scratches and dents.

Do's and Dont's

DO NOT allow molten wax to accumulate on the surface of the hotplate.

DO NOT use metal instruments or scouring agents to clean the surface of the hotplate.

DO NOT place fluid containers on the surface of the hotplate without an adequate spillage tray.

DO NOT use for purposes which are not specified by the manufacturer without first consulting the supplier.

DO NOT be concerned if the unit emits a strong smell when first used – this is normal and will soon disappear.

Do position the unit so it can be disconnected from the power supply with ease.

DO maintain the instrument in a reasonably clean condition.

DO switch off before removing the plug.

Power lead and connection to electrical supply



Check the electrical supply is compatible with the rating label.

IF IN DOUBT CONSULT AN ELECTRICIAN. THE PRODUCT MUST BE EARTHED!

Where the mains supply or plug connection differs, refer to local regulations or consult an electrician.

Location

The product must be placed on a smooth, level and sturdy work surface. Suitable for use in ambient temperatures 5 °C to 40 °C with a maximum humidity 80% (temperature 31 °C) decreasing to 50% (temperature 40 °C).

Please note: the hotplate may give off an unpleasant smell when switched on for the first few times, this is the element curing off and is perfectly normal. It should soon disappear.

Operating instructions

1. Place the hotplate on a smooth and level surface.
2. Place the four microscope slide support rods in position according to user preference.
3. Connect the mains plug to the electrical supply and switch on the socket (Ensure the power supply is properly earthed).
4. Turn on the hotplate. The backlit "ON/OFF" switch will illuminate.
5. Set the desired temperature.
 - A. Press the DOWN arrow then release it (do not hold down DOWN arrow for 5 seconds). If you hold for 5 seconds, do not press any buttons for 20 seconds.
 - B. The display will show SP alternating with the current set temperature.
 - C. Use the UP and DOWN arrow keys to change the set temperature. Press the P key to save. Setting will save automatically after 15 seconds.
6. The display returns to the normal function mode and the heater indicator will illuminate to show heater activity.
7. The instrument will then warm up to the desired temperature as indicated on the display.
8. The instrument temperature will then warm up quickly. When first turned on, the instrument will undergo a warm up program in order to maintain accurate temperature control. This tuning program lasts approximately 5 minutes and involves the instrument overshooting and undershooting the set temperature. Once the tuning program is complete the set temperature will be maintained,



Cleaning instructions

Regular cleaning of the instrument according to the cleaning instructions enclosed in this user manual will ensure that the instrument continues to operate efficiently and safely in normal everyday use. Cleaning or decontamination methods, other than those recommended in this guide, should be checked with your instrument supplier to ensure that the proposed method will not damage the instrument.

1. The lower case work of the Slimline hotplate, including the control panel, may be wiped using small quantities of mild detergent or polishes applied with a soft cloth.
2. The heated surface of the Slimline hotplate will require cleaning at regular intervals using a minimal quantity of mild domestic detergent applied on a soft synthetic sponge.
3. The microscope slide support rods can be removed to facilitate easier cleaning.



SCOURING PADS OR DE-SCALING AGENTS MUST NOT BE USED TO CLEAN THIS INSTRUMENT.