



Thermo Scientific Paratrimmer

User Guide

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Anatomical Pathology

4481 Campus Drive
Kalamazoo, MI 49008
UNITED STATES
+1 (800) 522-7270

Tudor Road, Manor Park
Runcorn, WA7 1TA
UNITED KINGDOM
+44 (0) 800 018 9396
+44 (0) 1928 534 000

Find out more at thermofisher.com/pathology

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Company information

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Contact address



Nickel-Electro Ltd
Oldmixon Crescent, Weston-Super-Mare,
North Somerset, BS24 9BL

For Service or support please contact
The Thermo Shandon Limited
Service Department

Telephone +44 (0) 1928 534 000
Fax +44 (0) 1928 534 049
Web: www.thermoscientific.com/pathology

Distributor

Thermo Shandon Limited
(trading as Thermo Fisher Scientific)
Tudor Road, Manor Park
Runcorn, WA7 1TA, UK

Telephone +44 (0) 1928 534 000
Fax +44 (0) 1928 534 049
Web: www.thermoscientific.com/pathology



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

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.

Thermo Scientific™ PrintMate™ Cassettes

Thermo Scientific Embedding Cassettes					
	Aqua	A84210020	A84210110	A84210050	A84210080
	Blue	A84210021	A84210111	A84210051	A84210081
	Green	A84210022	A84210112	A84210052	A84210082
	Grey	A84210023	A84210113	A84210053	A84210083
	Lilac	A84210024	A84210114	A84210054	A84210084
	Orange	A84210025	A84210115	A84210055	A84210085
	Pink	A84210026	A84210116	A84210056	A84210086
	Tan	A84210027	A84210117	A84210057	A84210087
	White	A84210028	A84210118	A84210058	A84210088
	Yellow	A84210029	A84210119	A84210059	A84210089
Thermo Scientific Embedding Cassettes					
	Aqua	A84210030	A84210120	A84210060	A84210090
	Blue	A84210031	A84210121	A84210061	A84210091
	Green	A84210032	A84210122	A84210062	A84210092
	Grey	A84210033	A84210123	A84210063	A84210093
	Lilac	A84210034	A84210124	A84210064	A84210094
	Orange	A84210035	A84210125	A84210065	A84210095
	Pink	A84210036	A84210126	A84210066	A84210096
	Tan	A84210037	A84210127	A84210067	A84210097
	White	A84210038	A84210128	A84210068	A84210098
	Yellow	A84210039	A84210129	A84210069	A84210099

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

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 152 mm x Depth 202 mm x Height 183.5 mm

Weight: 3.0 Kgs (5.0 lbs.)

Temperature range: ambient to 90 °C (+/-1 °C) at 20 °C ambient

Display: Digital display with 0.5 °C accuracy

Safety: Class 1 cut out

Heater power: 250 watts

Power supply: Dual voltage 220-240 V 50/60 Hz - A84600080

 110-120 V 50/60 Hz - A84600081

 220-240 V 50/60 Hz - A84600082 (China)

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:

- Paratrimmer 230 V A84600080
- Paratrimmer 110 V A84600081
- Paratrimmer 230 V (China Mains Lead) A84600082

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.

Do's and Dont's

DO NOT allow molten wax to accumulate on the surface of the Thermo Scientific™ Paratrimmer™, paraffin block trimmer.

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

DO NOT immerse in water.

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.

DO ensure that replacement fuses are of the correct specification.

DO use in a safe and stable location.

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 Paratrimmer 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 Paratrimmer on a smooth and level work surface and if required place an empty 120 ml specimen pot in position to collect any surplus wax.
2. Connect the mains lead and switch on.
3. Set the desired temperature.
 - A. Press button P then release it (do not hold down button P for 5 seconds). If you hold button for 5 seconds, do not press any other button 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.
4. The display returns to the normal function mode and the heater indicator will illuminate to show heater activity.
5. The instrument will then warm up to the desired temperature as indicated on the display.
6. The instrument is designed to warm up quickly (approx. 3-5 minutes). Initially the instrument may overshoot the set temperature but the heater will stop and the unit cool. Set temperature is then maintained by alternate heating and cooling.
7. When the waste wax pot becomes full replace with an empty pot. Any waste wax which is collected can either be disposed of or recycled and reused for embedding.



Control panel

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 Paratrimmer, including the control panel, may be wiped using small quantities of mild detergent or polishes applied with a soft cloth.
2. The heated surface will require cleaning at regular intervals to avoid paraffin build up. When the unit is cool lean with a small amount of laboratory solvent such as isopropyl alcohol and mild domestic detergent applied with a soft synthetic sponge.

Warning



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

Miniature circuit breakers

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

Portable appliance testing

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



THIS EQUIPMENT MUST NOT BE FLASH TESTED!

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.
2. Functioning of Heater On Lamp: heater lamp should be on when the instrument is warming up.
3. Condition of the Paratrimmer Heated Surface: surface of the hotplate should be free of scratches and dents.