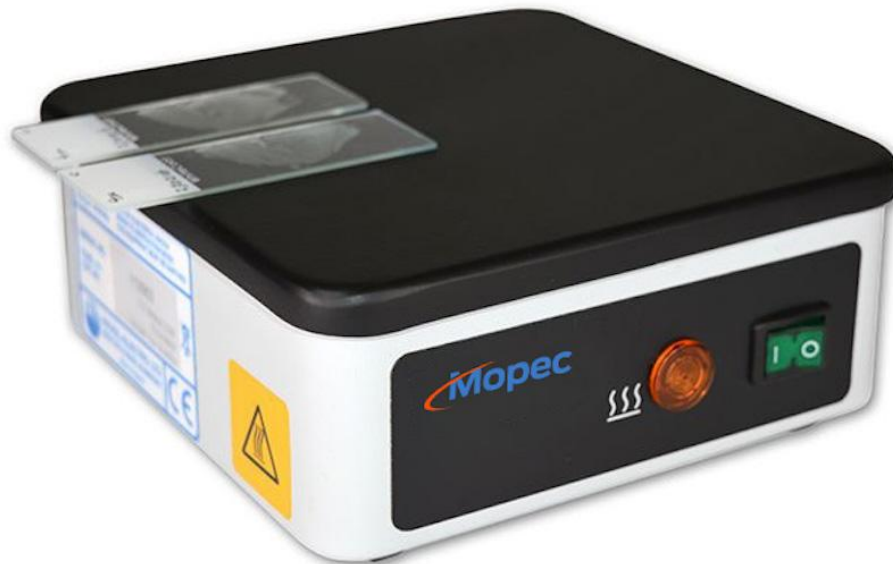




MOPEC USER MANUAL

MOPEC MINI SLIDE DRYING HOTPLATE - BK402



MINI SLIDE DRYING HOTPLATE

BK402

TABLE OF CONTENTS

TABLE OF CONTENTS	2
INTRODUCTION	2
GENERAL NOTES	2
SPECIMEN SAFETY	3
USER SAFETY	3
POWER LEAD & CONNECTION TO ELECTRICAL SUPPLY	4
SPECIFICATION	4
LOCATION	4
OPERATING INSTRUCTIONS	5
CLEANING INSTRUCTIONS	5
PORTABLE APPLIANCE TESTING	5
ROUTINE INSPECTION RECOMMENDATIONS	5
WARRANTY TERMS AND CONDITIONS	6

INTRODUCTION

Mopec's Mini Slide Drying Hotplate is designed to quickly and efficiently remove wrinkles from tissue sections while taking up minimal bench-top space. The rapid heating system ensures the hotplate is ready to use in less time.

GENERAL NOTES

1. This product is designed for laboratory use only. Always follow good laboratory practice.
2. If this product is not used in accordance with these instructions then basic safety protection may be affected.
3. If damaged or in case of failure the power supply unit supplied with this product should be replaced with an equivalent power supply unit.
4. 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.

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

Amendments:

Issue 2: August 2022

Symbols:



This symbol appears in documents and on equipment to warn the user that there are hot surfaces on the equipment.



This symbol appears in documents and on equipment to warn the user that instructions must be followed to ensure correct or safe operation.

USER SAFETY

The equipment you have purchased complies with the following European Directives EMC Directive 2004/108/CE Electromagnetic Compatibility and Low Tension 2006/95/CE as indicated in the EC Declaration of Conformity included in the document. This instrument has been designed and constructed in a manner which minimizes the risk of electrical shock to the operator, offers maximum protection from overheating and provides clear and adequate labeling of instrument controls.

The instrument requires no regular servicing, but Mopec does 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!

DO NOT:

1. Allow molten wax to accumulate on the surface of the hotplate.
2. Use metal instruments or scouring agents to clean the surface of the hotplate.
3. Place fluid containers on the surface of the hotplate without an adequate spillage tray.
4. Do not immerse in water.

DO:

1. Position the unit so it can be disconnected from the power supply with ease.

POWER LEAD & CONNECTION TO ELECTRICAL SUPPLY



Check the electrical supply is compatible with the rating label. IF IN DOUBT CONSULT AND ELECTRICIAN. THE PRODUCT MUST BE EARTHED!

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

SPECIFICATION

The Mopec Mini Slide Drying Hotplate is designed for use at the microtome to remove stubborn wrinkles from tissue sections and re-orientating embedded tissue. The mini hotplate is designed for rapid warm up and operates to a maximum temperature of ~80°C. The lower casing is manufactured from antimicrobial powder coated steel and the hob is manufactured from powder coated aluminum. The instrument is dual voltage 110-120V and 220-240V and has fuses on both the negative and positive lines for safety.

Dimensions: Width 145mm x Depth 145mm x Height 65mm

Capacity: 6 slides (25 x 75mm)

Weight: 0.74Kg (1.6 lbs)

Temperature range: ambient to ~80°C at 20°C

Heater power: 33 watts

Power Supply: 110-230V 50-60Hz

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).

OPERATING INSTRUCTIONS

1. Place the mini hotplate on a smooth and level work surface.
2. Connect the mains plug to the electrical supply and switch on the socket (Ensure the power supply is properly earthed).
3. Turn on the Mini Hotplate. The backlight "ON/OFF" switch will illuminate.
4. The instrument temperature will stabilize between 70°C and 80°C.
5. Place slide with tissue section to be de-wrinkled onto the surface of the hotplate.

CLEANING INSTRUCTIONS

1. The case work of the mini hotplate including the control panel, may be wiped using small quantities of mild detergent or polishes applied with a soft cloth.
2. Wax on the surface of the hotplate may be wiped off using an absorbent tissue whilst the hotplate is operating.
3. The heated surface of the mini hotplate will require cleaning at regular intervals, using a minimal quantity of mild domestic detergent applied with a soft synthetic sponge.

WARNING:



SCOURING PADS OR DESCALING AGENTS MUST NOT BE USED TO CLEAN THIS INSTRUMENT.

PORTABLE APPLIANCE TESTING

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



THIS EQUIPMENT MUST NOT BE FLASH TESTED!

ROUTINE INSPECTION RECOMMENDATIONS

Mopec recommends that a simple annual inspection be made for all Mopec laboratory equipment in order that any malfunction can be identified and rectified as early as possible. This is to ensure user safety and prolong instrument lifespan.

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 Hotplate Surface: Surface of the hotplate should be free of scratches and dents.

WARRANTY TERMS AND CONDITIONS

1. Mopec warrants to the Customer that the product purchased is free from defects in materials and workmanship.
2. Provided the terms of payment are duly complied with, Mopec undertakes to remedy any original defects arising from faulty materials or workmanship, in any goods manufactured/supplied by Mopec, which under proper and normal conditions of use, may develop within a period of twelve months from the date of delivery.
3. In the case of components which by their nature of application have an unpredictable life, this guarantee shall only be to the extent of the guarantee given by the manufacturers of these articles.
4. Mopec will accept no liability, where in the opinion of the company the defect has been caused by damage due to the Customers failure to follow operating instructions, correct installation, wear and tear, or damage due to the use of spare parts other than those spare parts of Mopec or which are recommended by Mopec, the defect has been caused by alterations or repairs being undertaken by a person(s) other than an authorized representative of Mopec.
5. Any damage claim must be in writing, and give the serial number and description of the goods, order number and date of delivery, and will not apply where any names or serial numbers or other information which may be attached to or inscribed upon the goods have been removed, covered up or defaced in any way.
6. Any goods or parts thereof, which may require repair or replacement, shall be repaired or replaced (at the election of Mopec) at the works of Mopec. The product to be repaired shall be delivered to Mopec by the customer at the Customer's risk and expense. Any such goods or parts will be delivered by Mopec to the Customer free within the United States but if required to be borne by the Customer. All faulty parts removed from the equipment will become Mopec's property. Any other repairs or work by Mopec will be carried out under the terms and conditions for specialist engineers currently in force.
7. In the event of replacement with a new or reconditioned model, the replacement unit will continue the warranty period of the original equipment.
8. If any goods or parts thereof are returned unnecessarily all cost involved, including a charge for inspection, handling and the return carriage must be paid by the sender.
9. Please retain the original packaging over the warranty period.
10. Mopec offers an Extended Warranty Option for instruments in the Mopec equipment range. This includes all parts and labor (exceptions may apply dependent upon the type

of equipment) and supply a swap out instrument whilst the customers equipment is repaired.

The extended warranty is only available at the date of purchase of the equipment. The warranty is immediately upgraded to a “swap out” service and is increased to 24 or 36 months depending on how long the warranty is extended for.

The “swap out” service covers a loan unit being sent to the customer whilst the faulty unit is returned for repair (or replacement if necessary). A response to a customer request will normally be within 24 hours.

If equipment is returned and the fault is found to be due to misuse or abuse, this falls outside the terms of the extended warranty and therefore a quotation for the inspection and repair of the equipment will be issued prior to any work being carried out.

On return of the repaired equipment to the customer, it is the customer’s responsibility to ensure that the loan equipment is returned in the same condition as it was received and if required decontaminated with a signed decontamination sheet enclosed with the instrument.

It is the customers responsibility to ensure that the loan equipment is packed in the packaging provided by Mopec, in order that Mopec can arrange collection of the loan instrument. If the loan instrument is not packed and ready for collection within 48 hours of a repaired instrument being returned to the customer, costs for collection and equipment rental fee will be applied.

NON-WARRANTY INFORMATION

Spare parts shall be made available for a period of 5 years after a piece of equipment is discontinued.

Mopec
800 Tech Row
Madison Heights, MI 48071



EC DECLARATION OF CONFORMITY



We herewith confirm the following products:

Mini Slide Drying Hotplate - BK402

Conforms with requirements outlined by the following European Directives:

Low Voltage Directive 2006/95/EEC

EMC Directive 2004/108/EEC

We confirm the declaration:

Mopec

800 Tech Row

Madison Heights, MI 48071

Conforms with the requirements of the following standards:

BS EN 61010:1

BS EN 61010:2.010

Safety requirements for electrical equipment for measurement, control and laboratory use.

BS EN 61326

Electrical equipment for measurement control and laboratory use - EMC requirements.