

Electric hot plate

LABOTRIX HEAT P1

PRODUCT PASSPORT

Kyiv

2026

1. Basic product information

- 1.1. Product name — Electric tile.
- 1.2. Trademark — Labotrix.
- 1.3. Model — Heat P1; full trade name — LABOTRIX HEAT P1.
- 1.4. Manufacturer — Labotrix Group Limited, China.
- 1.5. Intended use: Labotrix Heat P1 electric hotplate is a stationary single-burner heating device for science classrooms (biology, chemistry, physics) of secondary education institutions. The product is used during demonstration experiments, practical and laboratory work for heating, boiling and long-term maintenance of the temperature of liquids, solutions and loose substances in flat-bottomed dishes. The hotplate is powered by a single-phase alternating current network with a voltage of 220 V and a frequency of 50 Hz; connection to a network with other voltage or frequency values is not allowed.
- 1.6. Design features: The working heating element is completely enclosed and protected by a solid burner - the product does not have an open spiral that could be accidentally touched or onto which liquid could spill. The required heating level is set by a rotary switch on the front panel of the housing; the set temperature is maintained by a built-in thermostat, and an indicator on the housing signals the operation of the heating element.

2. Technical specifications

- Brand — Labotrix
- Model — Heat P1
- The article number is LTX-HEAT-P1
- Product type - stationary electric heating device (plate), single-burner version
- Heating element design - closed, protected by a solid working surface; no open spiral
- Number of burners (pieces) — 1
- Working burner diameter (millimeter) - 155
- Rated supply voltage (volts) — 220
- Nominal supply frequency (hertz) — 50
- Rated power consumption (watts) — 1500
- Type of current - single-phase alternating
- Heating adjustment - stepless, with a rotary switch on the housing
- Working surface temperature range (degrees Celsius) — from 120 to 320
- Heating control - built-in thermostat with overheating protection
- Operation indication - light indicator on the housing
- The material of the working burner is cast iron.
- Body material - steel with heat-resistant coating

- Housing supports - four heat-resistant, non-slip feet
- Class of protection against electric shock — I (the product is grounded)
- Power cord - non-detachable, with European-style plug and grounding contact
- Power cord length (meter) — 1.0
- Overall dimensions (W × D × H), mm — 235 × 215 × 75
- Net weight (kilograms) — 2.4
- Language of marking and operating documentation — Ukrainian
- Product marking — trademark, model and a space for the inventory number
- Packaging — individual box of corrugated cardboard with the contents secured
- Documentation supplied — product passport with warranty card and operating manual
- Installation method - desktop, on a flat, stable surface of a laboratory or kitchen table
- Ready-to-use condition — supplied assembled, requires no preliminary setup
- User requirements - connection and operation of the device is provided by a teacher or laboratory assistant, students work only under supervision
- Operating conditions — premises of an educational institution, air temperature from +5 to +40 °C, relative humidity from 40 to 60 % without condensate
- Service life (year) — 5
- Warranty period (month) — 12

3. Equipment

- Electric stove Labotrix Heat P1 — 1 pc.
- Product Passport and Warranty Card — 1 pcs
- Individual transport packaging — 1 pcs

The power cord with plug is an integral part of the hob and is not supplied separately. Laboratory or kitchen utensils are not included and must be purchased separately. The product is supplied ready to connect and does not require assembly before first use.

4. Safety measures

4.1. General requirements

- Before connecting the product to the mains for the first time, read this passport carefully and keep it with the product and the purchase document.
- In an educational institution, the tile is operated by a teacher, laboratory assistant, or other employee who has been instructed in occupational safety; students may work with it only under the direct supervision of an adult.
- Do not allow children or persons unfamiliar with the rules for safe use of heating devices to use the product independently.
- Inspect the unpacked product: it is forbidden to connect a hob with a deformed body, cracks on the burner, damaged cord insulation or a plug with traces of melting.

4.2. Electrical safety

- The power supply parameters must correspond to the values indicated on the product nameplate - 220 V, 50 Hz; connection to a network with a different voltage or frequency is not allowed.
- Use a socket with a grounding contact, rated for a current of at least 10 A: the product belongs to protection class I and requires grounding.
- Do not connect the tile through the same extension cord or tee together with other powerful electricity consumers.
- Do not touch the plug or cord with wet hands; when unplugging the product, hold the plug body, not the cord.
- Do not immerse the body, cord or plug of the tile in water or other liquids and do not wash the product under running water.
- Route the power cord so that it does not touch a hot burner, hang over the edge of a table, or cross a walkway.

4.3. Protection against burns and fire

- Install the tile on a flat, stable, non-flammable horizontal surface; the distance to walls, furniture, curtains and other flammable materials should be at least 20 cm, and the free space above the hob should be at least 50 cm.
- The housing and burner become very hot during operation: use heat-resistant gloves, holders or laboratory tongs.
- After switching off, the hob remains hot for at least 30 minutes: do not move the product or start cleaning it until it has cooled down completely.
- Do not leave the product unattended when it is switched on; be sure to unplug the tile from the outlet after finishing work.

4.4. It is strictly forbidden

- Turn on the hob without any cookware on the burner, except once during the first heating process described in section 5.
- Heating flammable and volatile substances (alcohol, ether, acetone, gasoline, solvents) on a burner or in a water bath: the burner heats up to 320 °C and is a source of their ignition.
- Use tiles to heat a room, dry clothes, shoes, or other items.
- Place hermetically sealed containers and aerosol cans on the burner.
- Disassemble, modify the product or replace the power cord yourself.
- Do not move or carry the product while it is in operation or with a hot burner.

5. Preparation for work

- 5.1. Unpack the product, remove the shipping labels and protective film, in particular from the surface of the burner; we recommend that you keep the packaging for further transportation or storage.
- 5.2. Wipe the burner and housing with a dry, soft cloth to remove dust and any remaining preservative grease.

- 5.3. Install the tile in the workplace in accordance with the requirements of subsection 4.3 and make sure that the switch is in the "O" position.
- 5.4. Perform the first heating: without any dishes on the burner, turn the switch to the maximum position and turn on the product for 3–5 minutes to burn off the factory-applied technological grease. This is the only case provided for in this passport when the hob is allowed to be turned on without dishes.
- 5.5. During the first heating, slight smoke and a specific smell may occur - this is a normal phenomenon that will not recur; ensure that the room is ventilated and do not leave the product unattended.
- 5.6. Turn the switch to the "O" position, unplug the plug from the outlet, let the burner cool down and wipe it with a dry cloth - the product is ready for use.
- 5.7. If the product was transported or stored at temperatures below +5 °C, allow it to stand at room temperature for at least 2 hours before connecting to the mains.

6. Procedure

6.1. Choice of cookware

- Use cookware with a smooth, flat and dry bottom with a diameter of 155 to 200 mm - not smaller than the diameter of the burner.
- Do not use cookware with a convex, concave or deformed bottom: the contact area decreases, heating becomes uneven and the burner overheats.
- Fill the dish no more than two-thirds full and make sure it does not protrude beyond the body of the hob.

6.2. Heating adjustment

Place the cookware in the center of the burner and turn the knob to the desired position:

- "O" - the product is turned off, power is not supplied to the heating element;
- minimum position, approximately 120–150 °C — maintaining the temperature of the finished dish or solution, slow evaporation;
- middle position, approximately 200–250 °C — uniform heating of solutions, work in a water bath;
- maximum position, up to 320 °C — quickly bringing liquid to a boil.

Intermediate switch positions are also permissible: the heating adjustment is stepless, and the given marks are approximate.

6.3. Work control

- After switching on, the indicator lights up constantly; when the burner reaches the set temperature, it goes out and then periodically turns on and off - this is how the built-in thermostat works, this is the normal operating mode.
- Do not leave the product on continuously for more than 4 hours; take a break of at least 30 minutes afterwards.

- Stir the contents of the container with a tool with a heat-resistant handle, without leaving it in the container while heating.

6.4. Completion of work

- Turn the switch to the “O” position, remove the dishes and unplug the appliance.
- Allow the product to cool completely before moving it or cleaning it.

7. Care, maintenance and possible malfunctions

7.1. Cleaning

- Only clean the product after it has completely cooled down and is unplugged.
- Wipe the burner with a dry or slightly damp soft cloth; remove burnt-on residues with a wooden or plastic scraper.
- Wipe the housing with a cloth dampened in a neutral detergent solution, then wipe dry.
- It is forbidden to use abrasive powders and pastes, metal brushes and scrapers, solvents, acetone and products containing chlorine or acid; the product cannot be washed in a dishwasher.

7.2. Periodic control

- At least once a month, check the integrity of the power cord insulation, the condition of the plug, and the absence of cracks and chips on the burner.
- Check the stability of the product on the work surface and the condition of the support legs.
- The product does not require lubrication, calibration or other user maintenance; repairs should only be performed by an authorized service center.

7.3. Possible malfunctions and ways to eliminate them

Symptom	Possible cause	User actions
The indicator light is off, the hotplate does not heat up	There is no voltage in the socket; the plug is not fully inserted; the switch is in the “O” position.	Check the presence of voltage in the socket and the tightness of the plug contact, turn the switch to the working position.
The indicator is on and the heating is weak or uneven	The bottom of the pan is deformed or smaller than the diameter of the burner; the switch is in the minimum position	Replace the cookware with one with a flat bottom with a diameter of 155 to 200 mm, move the switch to the higher position

Symptom	Possible cause	User actions
The indicator lights up and goes out cyclically during operation.	Regular operation of the built-in thermostat, maintaining the set temperature	No action is required, this is normal operating mode.
During the first heating, slight smoke and a specific smell are noticeable.	Factory-applied technological grease burns out	Ventilate the room; the phenomenon disappears within 3–5 minutes and does not recur.
The burner heats up, but the liquid does not boil	Too much liquid for the selected switch position; the pan is not covered with a lid	Reduce the volume of liquid, cover the dish with a lid, set the switch to the maximum position
The product turned off by itself during operation	Built-in overheating protection has been activated.	Turn the switch to the “O” position, unplug the appliance and let the appliance cool down for at least 30 minutes.

8. Storage and transportation conditions

- Store the product in a dry, closed room, maintaining a temperature not lower than +5 °C and not higher than +40 °C and a relative humidity of up to 80% at a temperature of +25 °C without condensation.
- Protect the product from dust, direct sunlight, impacts, vibration and the action of aggressive substances and their vapors.
- Transport the tile in its original or similar rigid packaging, with the burner facing up, using any type of closed transport.
- Do not place heavy objects on the packaging with the product.
- The storage period before commissioning is unlimited provided that the stated requirements are observed.

9. Warranty obligations

- 9.1. The warranty period of the product is 12 months from the date of sale specified in the warranty card.
- 9.2. The manufacturer guarantees that the product complies with the declared technical characteristics, provided that the rules for transportation, storage and operation set out in this passport are followed.

- 9.3. During the warranty period, product defects that have arisen due to the manufacturer's fault will be eliminated free of charge. The method of elimination (repair, component replacement or product replacement) is determined by the service center.
- 9.4. Warranty service is provided upon receipt of a correctly and completely filled out warranty card and a document confirming the fact and date of purchase.
- 9.5. The warranty does not apply to cases where the malfunction is caused by:
- mechanical damage, in particular cracks, chips and deformation of the housing and of the components of the product;
 - violation of the operating, storage or transportation rules set out in this passport;
 - ingress of liquid or foreign objects into the product, and also the action of insects and animals;
 - independent disassembly, repair or modification of the product, in particular repair at unauthorized workshops;
 - use of the product other than for its intended purpose;
 - force majeure circumstances (fire, flood, earthquake, etc.).
- 9.6. The warranty does not apply to natural wear and tear of the coating and appearance of the product, as well as to consumables.

10. Product disposal

- The product must not be disposed of together with unsorted municipal waste. This is indicated by the marking in the form of a crossed-out container on the product or its packaging.
- After the end of the service life, hand the product over to a collection point for the corresponding waste or to an organization holding the appropriate permit.
- Hand over the packaging elements (cardboard, polymer materials) to the corresponding streams of recyclable materials.

Contacts

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Conditions of use and storage of the product

The product is intended for educational work in general secondary education institutions and is used only under the control and supervision of a teaching staff member; the recommended age of students — from 10 years, that is, students of grade 5 and of higher grades. Keep the product in a dry, clean and ventilated room at a temperature from +5 to +40 °C and relative air humidity up to 80 % without condensation, separately from heat sources and out of direct sunlight, moisture and dust. Use the product exclusively for its intended purpose and do not allow drops, impacts or other mechanical damage. If you notice damage, a crack or any malfunction, stop working with the product immediately and inform the teacher or the responsible person of the educational institution; repairing the product on your own is prohibited.

WARRANTY CARD

Product name:	Electric hot plate
Product model:	LABOTRIX HEAT P1
Serial number:	
Date of sale:	
Warranty period:	12 months from the date of sale
Trading organization:	
Signature of the seller:	

The goods have been received in working order, without visible damage, complete, and have been checked in my presence. I have no claims regarding the quality of the goods; I have read and agree to the operating and warranty service conditions.

Full name of the buyer

Buyer's phone number Buyer's signature

Dear Customer!

Thank you for choosing Labotrix products. After-sales service of this product is provided in accordance with the regulations of the company and the legislation of the country of sale. So that we can serve you quickly and without unnecessary formalities, check that this warranty card is filled in correctly at the moment of purchase and keep it together with the payment document throughout the entire warranty period. When applying for repair, hand the product over to the seller or to the service center together with the filled-in card.

Procedure for applying

1. The right to free warranty service for the product is valid for 12 months from the date of sale specified in the warranty card. Within this period, components that have failed due to a manufacturing defect are repaired or replaced without payment from the buyer.
2. Before contacting, make sure that the malfunction is not caused by the reasons listed in section 9 of this passport, and if possible, use the table of possible malfunctions in section 7.3.
3. After the 12-month warranty period, repairs are carried out for a fee; the cost of work and spare parts is determined depending on the nature of the malfunction.

Grounds for refusal of warranty service

The company reserves the right to refuse free service or to perform the work on a paid basis if at least one of the following circumstances is established:

- absence of the warranty card, its incomplete or corrected completion, and also the absence of a document confirming the purchase;
- non-conformity of the serial number of the product with the number specified in the card, or damage to the factory marking;
- traces of independent disassembly, repair or modification of the product;
- damage caused by violation of the operating rules, connection to an unsuitable power source or external mechanical impact;
- damage as a result of force majeure circumstances.

Service Records

Date of entry	Description of the malfunction	Work performed	Position, signature, full name of the responsible person