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Instruction for Use



LUKAPoly
Pressure Pot

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2. Features

- Pressure indicator to control the pressure.
- A powerful 200W motor
- Temperature adjustable between 20 - 120° C
- Digital temperature control display

3. Safety instructions

Any commissioning and handling of the device requires precise knowledge and observance of these operating instructions. The device is only intended for the use described.

Attention:

- Each device leaves the factory after final inspection and a test run. However, if the device is damaged or modified due to transport or other circumstances, it must not be put into operation. Check the device for damage at regular intervals. Damaged parts must be replaced immediately.
- The regulations concerning possibly required inspections (e.g. according to professional associations or electrical installations) are the sole responsibility of the purchaser/user of the product.
- This device has been designed for use in accordance with the technical description and is therefore only to be used for the intended purpose. Any other use is not permitted for safety reasons - in this case the liability of the manufacturer expires.
- The device may only be used by persons who have been instructed in its handling and who have been expressly authorized to operate it.
- The unit may only be set up in a clean room that can be heated and ventilated, if necessary under a fume hood.
- The installation surface should be level, straight and stable enough for use.
- No objects may be placed on the unit.
- To avoid any risk of injury, wear appropriate protective clothing and use appropriate auxiliary tools (such as gloves, safety glasses, mouth guard, safety shoes, ear protection and pliers).
- If the expected work results are not met, do not continue to work with the device. The owner is liable for any consequential damage caused by continued use.
- In order to prevent water, fire and explosion damage, it is essential to shut off all power sources at the end of work or during interruptions to work and to secure them against unauthorized operation.
- Always switch off the main switch and disconnect the mains plug before carrying out maintenance, cleaning and repair work and before opening the unit.
- Repairs may only be carried out by qualified and certified personnel.
- If there is any suspicion of liquid penetration, stop operation and contact the service department.
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THE DEVICE REQUIRES A SEPARATE POWER CONNECTION!

Make sure that the device is operated with the correct mains voltage. Connect the device directly to its own power outlet. DO NOT use an extension cord and/or a multiple socket outlet that is also used by other electrical equipment.

3.1 Device-specific notes

Never open a pressurized device. Pay attention to the pressure display. Danger of splashing water, steam or adjusted parts.

Be careful when handling hot water, there is a danger of scalding. Danger of dry running and damage.

Filling of aggressive and harmful materials is not permitted.

Operate the device with a maximum pressure of 3.5 bar.

At a temperature above 100°C, the steam pressure prevents the lid from opening. Please wait until the temperature drops significantly below 100°C, switch off the heating if necessary. The pressure reduction must be completely finished. (Check pressure display or valve)

3.2 Hazards

Risk of injury from very hot water or the hot workpiece. When polymerizing with temperatures >100°C - risk of scalding by water vapor. - see point 6.2

4. Liability for function and damage

Liability for the function of the device is always transferred to the owner or operator if the device is improperly maintained, repaired or modified by persons who do not belong to an authorized specialist company, or if it is handled in a manner that does not correspond to its intended use. The device must be maintained and operated in accordance with these operating instructions. Lukadent GmbH is not liable for damage resulting from non-observance of the above instructions. Warranty and liability conditions of the Lukadent GmbH terms of sale and delivery are not extended by the above information.

The product liability expires in case of modifications by others and installation of nonstandard parts. Only use original Lukadent parts for replacement.

5. Area of application

The LUKAPoly in its very compact form, allows you to polymerize cold and hot. The modern user interface with its large pot opening offers space for several prostheses in a compact footprint as well as a very good functional overview.

To avoid damage to the unit and / or to the pot, only materials specific to the unit may be processed.

Use the unit exclusively for the intended area of application.

6. Initial Installation

6.1 Storage

The storage location is also of great importance with regard to the functional safety of the device, even if it is stored temporarily for a short time. The installation site should be dry, ventilated and vibration-free. Constant temperatures and a wooden base are advantageous. The unit must not be stored or set up outdoors. In case of longer storage, protect the device from moisture and dust.

6.2 Installation

Open the transport box, remove the packaging material, carefully remove the device and accessories. Check the accessories supplied.

Before commissioning, it is essential that the device reaches room temperature.

6.3 Selecting the operating site

The device must stand horizontally on a stable and level surface.

Do not set up the device outdoors.

Set up the device so that the working area and the ability to operate the device are not restricted (take device dimensions into account). When setting up the device, make sure that it does not stand on the power cable.

6.4 Commissioning

Finally, insert the mains plug into the socket - make sure that the voltage specifications of the device and the house mains are the same.

7. Instructions for use

7.1 General operating instructions

All recommendations for the use of the device, whether in oral or written form, are based on our own experience and trials and can therefore only be regarded as a guide.

7.2 Operation

First, open the pot by turning it counterclockwise.

Pour water so that the entire bottom is covered and the workpiece to be polymerized into the pressure pot.

Close the pot clockwise and close the safety valve at the bottom.

Then turn on the heater and set the appropriate temperature. The unit will now start to heat.

Turn on the air pressure switch and allow the unit to build up to the desired pressure - stop the pump at a maximum of 3.5 bar

Hint:

Please open the safety valve first and release the excess pressure, then open the pot with gloves to remove the workpiece with tongs.

CAUTION! When polymerizing above 100°C, there is a risk of scalding due to rising water vapor when removing the workpiece. Make sure that the pressure is completely released and the temperature has dropped significantly below 100°C.

7.3 Temperature setting

Press the SET key until the screen shows P0 (start temperature), confirm by pressing the SET key again. Now you can select the desired start temperature with the arrow keys.

To confirm, press the SET key again.

If you press the arrow key again, the screen should display P1 (End temperature), confirm again by pressing the SET key. Now you can select the desired end temperature with the arrow keys.

To confirm, press the SET key again.

The unit will stop heating when the end temperature is reached and hold it.

CAUTION!: The device heats until the heating is switched off manually.

7.4 Polymerization

During the entire polymerization process, the lid should remain closed so that the workpiece can polymerize without bubbles.

7.5 Operation Codes:

Code	Description	Setting range	Preset
P0	Start Temperature	20° C-120° C	20° C
P1	Stop Temperature	20° C-120° C	40° C
P4	Temperaturetolerance	0-10° C	0° C
P5	Start delay	0-10min	0min
P6	High temperature warning	19° C-121° C	120° C
P7	Low temperature warning	19° C-121° C	19° C
P8	Unit	° C/° F	° C
P9	Date lock	On/off	Off



8. Maintenance

8.1 Cleaning

To ensure the maximum service life for the device, regular cleaning is recommended.

The water should be changed several times a day depending on the degree of use.

The lid seal should also be cleaned regularly, e.g. with talcum or Vaseline.

8.2 Service

Regularly check the condition of the device. For example, look for visible damage to the housing or power cord.

Clean the seal and sealing rim regularly.

Replace the seal (at the top of the lid) every six months. Replace the water several times a week.


Clean the housing with a damp cloth at regular intervals.

8.3 Repair

Service or repairs to the device may only be carried out by trained specialist personnel. Only original parts are to be used for replacement. The product liability expires in case of modification of the device by unauthorized persons and by installation of nonstandard parts.

8.4 Spareparts

Please contact our service hotline if necessary.

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8.5 Scope of delivery

	Referenz Nummer
1x LUKAPoly	

8.6 Garantie

The warranty period for our units is 12 months. If a defect occurs in your unit within this warranty period, please notify your dental depot or contact our service staff directly.

The unit may only be operated if it is in perfect technical condition. In the event of defects that could endanger employees or third parties, the unit may only be used again after it has been repaired. Damage caused by improper use, external mechanical influences, transport damage and unauthorized tampering with the device by unauthorized persons is not covered by this warranty.

9. Technical data

LUKAPoly	Ref: 245 920
Voltage	230V
Power	200W
Dimensions (L x W x H)	25 x 16 x 22 cm
Weight	4kg
Frequency	50-60Hz

Subject to technical changes

10. Disposal

The device must be disposed of by a specialist company. The specialist company must be informed of any residues in the device that are hazardous to health.

01.11.2022

EU-Konformitätserklärung

gemäß 2014/35/EU (Niederspannungs-Richtlinie) und 2014/30/EU (EMV-Richtlinie)
und 2006/42/EG (Maschinen-Richtlinie) und 2011/65/EU (RoHS-Richtlinie)

Hersteller: Lukadent GmbH
Felsenbergweg 2
D-71701 Schwieberdingen

Produktbeschreibung: Druckpolymerisationsgerät für das Dental Labor

Maschinen-Typ: 245920 Poly-Pro Druckpolymerisationsgerät

Angewandte Normen: DIN EN 61010-1:2010
DIN EN 61010-2-010:2014
DIN EN 61000-3-2:2014
DIN EN 61000-3-3:2013
DIN EN 61326-1:2013

Hiermit wird bestätigt, dass die oben bezeichnete Maschine den genannten EU-Richtlinien entspricht. Diese Erklärung wird ungültig, falls die Maschine ohne unsere Zustimmung modifiziert wird.

This is to confirm that the above mentioned machine complies with the described EU regulations. This declaration becomes invalid if the machine is modified without our approval.



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