

Operating Instructions

THERMORET

LABORATORY EQUIPMENT IN
STAINLESS STEEL



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Dear Customer!

The THERMORET warms syringes, cannulae and instruments. It heats anesthetic and composite materials to allow warm delivery of the material as well as sodium hypochlorite solution and other materials. Bite registration wax can be directly heated in the water bath.

Any other use or usage beyond this scope is considered unintended use. The manufacturer shall not be responsible for any damages that may result thereby.

Prior to installation of the device operating instructions and especially the safety instructions must be read and followed by all personnel who use this device.

After having unpacked the device, please check carefully whether transportation damages of any kind have occurred. If that is the case, the carrier or manufacturer must be notified within 3 days. The company will not be responsible for any damages found after that.

These operating instructions must be read and followed by all personnel who use this device.

To ensure quick access we recommend to keep it at a safe place near the device. In case of loss it can be ordered from the manufacturer.

INDEX

1	TECHNICAL DESCRIPTION	4
1.1	BASIC EQUIPMENT.....	4
1.2	DEVICE COMPONENTS.....	4
1.3	TECHNICAL DATA.....	4
2	SAFETY NOTES	5
2.1	GENERAL SAFETY NOTES	5
2.2	SPECIFIC SAFETY INSTRUCTIONS	6
3	INSTALLATION	7
3.1	CONTROL PANEL DESCRIPTION	7
4	OPERATION	8
4.1	CHRONOLOGICAL RUN OF OPERATION.....	8
4.2	PROGRAMMING	8
5	TROUBLESHOOTING	9
6	MAINTENANCE	9
7	WARRANTY	10
8	DISPOSAL REGULATIONS	13
9	EU DIRECTIVE	14

1 Technical Description

1.1 Basic Equipment

- THERMORET

1.2 Device components

- 1 Power switch
- 2 Control panel with display and programming keys
- 3 Material block
- 4 Stainless steel box
- 5 Lid



1.3 Technical Data

Line voltage	230 V/50-60 Hz
Current consumption	180 W
Temperature range	0-70 °C / 0-158°F
Sound level	≤ 70 dB(A)
Dimensions W x H x D	220 x 135 / 180 x 230 mm
Housing	stainless steel
Made in Germany (Subject to modifications)	

2 Safety Notes

2.1 General Safety Notes

- All equipment undergoes final inspection and testing before leaving our factory. However, if equipment is damaged during shipping or through any other circumstances, it must not be used in service. Please check the device regularly for damages. Damaged parts should be replaced immediately.
- All power/air/water/gas sources should be rated for the demands of the device as listed in the technical data sheets. Maximum ratings must not be exceeded. All VDE (Verein Deutscher Elektro-Ingenieure) standards should be followed. Equipment should be grounded according to standards.
- Adherence to valid regulations regarding necessary checks (e.g. according to Accident Prevention & Insurance or electrical equipment) is exclusively taken over by the buyer/user of this product.
- This device has been designated to be used only for its intended purpose. All other applications must be prohibited for safety reasons as otherwise the manufacturer's warranty expires.
- The device should be set-up in a clean, well-ventilated room, if necessary under a hood.
- Supporting surfaces should be straight, flat and adequately stable.
- Don't place anything on top of the machine.
- To avoid injury, appropriate protection should be worn (e.g. gloves, safety glasses, safety shoes, hearing protection etc.)
- If the machine is defective or working improperly it must be taken out of service. In case of further use of the machine the owner will be held responsible for any consequential damage.
- To prevent accidents from water, fire or explosion, all power/air/water/gas sources should be turned off after working hours and during breaks, and secured against unauthorized access.
- When carrying out maintenance works or repairs or when opening the device always turn off the main power switch and unplug the whole unit.
- Repairs should be carried out only by the manufacturer or by qualified and certified personnel appointed according to chapter 7 – warranty.
- In case of leaking water out of housing or tank shut down device and call service.
- Check all hose connections for tightness, if necessary tighten hose clamps.

2.2 Specific Safety Instructions

- Install the unit on a stable and water-repellent surface.
- The appliance can reach temperatures of up to 70 °C / 158°F. Always maintain a sufficient safety distance to the device.
- Don't store any highly flammable or explosive material in close proximity to the device.

Note:

In order to prevent the risk of injuries or scalding when handling hot liquids, ensure compliance with safeguard measures.

3 Installation

The electrical equipment is delivered fully installed. The sealed plug can be connected directly to the mains supply 230 V/16 A. Regarding installation, please adhere to safety notes in chapter 2.

3.1 Control Panel Description

After switching on the unit, the device performs a self-test. The display shows the word „r1.5“. It flashes approx. 5 seconds, then the actual temperature (°C / °F) is displayed.

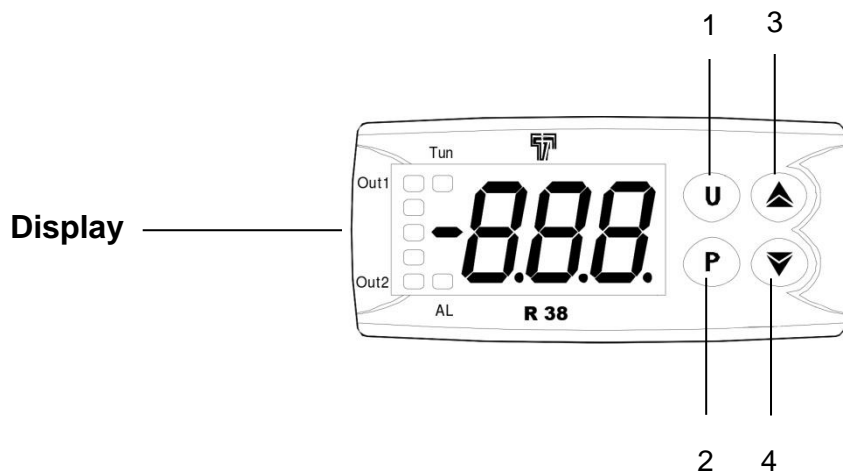


Fig.: Control Panel

Programming keys

- 1 Only for factory settings
- 2 Programming keys
- 3 Increase temperature
- 4 Decrease temperature

4 Operation

4.1 Chronological run of operation

1. Connection to power supply – plug the cord into the wall outlet. The power switch (1) is located at the front of the device. After finishing work switch off the device with the power switch (1).
2. If applicable, fill the stainless steel box with water.
3. Put material, such as syringes or cannulae into the openings (3) of the material block or into the stainless steel box (4). If applicable, close the lid.

4.2 Programming

Follow the instructions to configure the control unit:

1. Press key 2 for programming, SP1 and the target temperature flash alternately in the display.
2. Enter target temperature with the programming keys at the control panel: Use key 3 to increase temperature and key 4 to decrease temperature.
3. Press key P to store the set temperature. This value remains stored even after switching off the unit or in the event of a power failure until a new value is entered.

After approx. 15 seconds without user interaction program mode is left for normal heating mode.

5 Troubleshooting

Device does not switch on.	a. Check the fuse of the building. b. Check the device's fuse.
The display resets itself.	After approx. 15 seconds without user interaction the display will return to the basic mode of the respective program.
Wrong temperature unit	The temperature unit can be factory set from ° C to ° F or vice versa
Other faults.	Contact Service Dept.

6 Maintenance

- Inspect the appliance on a regular basis. Please check for visible damage to the housing or power cord.
- Regularly clean the housing with a moist cloth or with stainless steel care spray.

Note:

Clean and protect your device regularly with the REITEL stainless steel care spray (order-no.: 90405000), to remove lime, plaster and dust as well as other contaminants from the surface of equipment and to prevent corrosion. The spray creates a lasting, water repellent protective film which helps keep the equipment clean.

7 Warranty

We, REITEL Feinwerktechnik GmbH, offer a 1 year's warranty beginning from the proven date of purchase. This warranty covers all defects traceable to materials, design or workmanship. The following warranty regulations are applicable:

Within the warranty period Reitel Feinwerktechnik GmbH or an authorized distributor agrees at its sole option, to perform repair or replace this product at no charge covering all defects traceable to materials, design or workmanship. Warranty only applies to appropriate use and regular maintenance of this product according to the operating instructions. Claims under warranty are restricted to complementary performance. Additional claims, especially claims for indemnifications, are not covered by this warranty.

1.

Warranty claims have to be addressed to the distributor the product was purchased from or directly to our service department.

Contact:

REITEL Feinwerktechnik GmbH

Senfdamm 20

49152 Bad Essen

Germany

Phone: +49(0)5472-9432-32 (Service Department)

Phone: +49(0)5472-9432-0 (Reception)

Fax-No: +49(0)5472-9432-40

2.

In case of warranty claim application the sales receipt or your purchase invoice showing the date of purchase of the product and the serial number must be furnished. Securely pack and ship the device, freight charges prepaid, at your own risk to us, along with a report describing the defect. We reserve the right to decline warranty if this information has been removed or modified after purchase of the product or if they are not included in case of warranty claims.

3.

Warranty repairs have to be performed by REITEL Feinwerktechnik GmbH or by authorised distributors. Repairs performed by non-authorised companies will void the claim for refund since damages to the product resulting hereof are not covered by warranty.

4.

If the unit sent in for repair or replacement is still under the original warranty then warranty is to the end of the original 1 year warranty.

5.

If the unit is destined to be operated in another country than originally intended and manufactured for, modifications to the product might be necessary to comply to special technical and /or safety standards of that specific country. Such modifications are no defects traceable to materials, design or workmanship. and are therefore expressly excluded from warranty claims.

Modification costs or damages arising from operation of the product under deviating conditions are not covered by warranty.

6.

Exclusions from warranty:

- Service and maintenance work as well as repair and replacement of consumables according to our consumables' list
- Transportation cost of the machine or installation and dismounting expenses incurred
- Damages due to use of the product other than for its intended purpose
- Damages due to faulty installation or insufficient maintenance of the product (e.g. decalcification)
- Damages due to natural disaster e.g. lightning, water, fire, act of nature beyond control, war, inadequate line voltage, insufficient ventilation, no decalcification, insufficient care and cleaning or non-adherence to operation and maintenance instructions according to the accompanying operation guide.
- Damage due to use of the product other than in accordance with the instructions provided by REITEL Feinwerktechnik GmbH;
- The warranty does not cover the cost of removal and replacement of parts and accessories, unless supplied as original equipment by REITEL Feinwerktechnik GmbH
- All kind of damages occurred not directly at the device as well as consequential damages (e.g. damages to furniture due to a lack of water, downtime of the machine, material, lost working hours, wages and other consequential damages).

This warranty shall be rendered null and void if:

- the product has been subject to any modification, repair or replacement other than as authorised by REITEL Feinwerktechnik GmbH
- the product is continued to be operated despite a functional defect

7.

The warranty is device specific and may be claimed, within the warranty period, by any person who has legally acquired the device.

8.

Consumables are excluded from warranty. Spare parts are subject to a warranty coverage of 6 months against all defects traceable to materials, design or workmanship according to these warranty regulations.

9.

Legal default claims on the part of the purchaser remain unaffected by this warranty.

10.

We reserve the right to charge a fee if repair of the device is rejected and the device is destined to be sent back unrepaired.

11.

Please note:

Upon repair or replacement of this unit, personal data and settings might get lost or damaged. We don't accept liability for all kind of data loss. The customer is advised to backup essential programs and data before sending for service.

12.

This warranty shall be interpreted in accordance with German law to the exclusion of UN sales law. Place of jurisdiction is our business location.

13.

If any provisions of this warranty are judged to be illegal or unenforceable, the continuation in full force and effect of the remaining provisions will not be prejudiced. The provisions of this warranty judged to be illegal or unenforceable shall be construed so as to give effect to the intent manifested by the provision held invalid, illegal or unenforceable and to give effect to section 13 hereof.

14.

Should you need to borrow a device while your device is being repaired, please contact Messrs. REITEL or your distributor. These loans are a service for which availability cannot necessarily be guaranteed. After the warranty period, a fee may be charged for loan equipment as well as for shipping and packaging.

8 Disposal Regulations



According to valid laws our devices are disposed of properly according to B2B – regulations for proper disposal. Please contact your local dealer for information on local disposal guidelines.

9 EU DIRECTIVE

EU-Konformitätserklärung EC Conformity Declaration CE-Déclaration de Conformité

im Sinne der Niederspannungs-Richtlinie 2014/35/EU (Anhang III B)
according to Low Voltage Directive 2014/35/EU (Appendix III B)
au sens de la Directive Basse Tension 2014/35/EU (Annexes III B)

Name und Anschrift des Herstellers/Name and address of manufacturer/Nom et adresse du fabricant:

Reitel Feinwerktechnik GmbH
Senfdamm 20
49152 Bad Essen

Diese Erklärung bezieht sich nur auf das Gerät in dem Zustand, in dem es in Verkehr gebracht wurde; vom Endnutzer nachträglich angebrachte Teile und/oder nachträglich vorgenommene Eingriffe bleiben unberücksichtigt. Die Erklärung verliert ihre Gültigkeit, wenn das Produkt ohne Zustimmung umgebaut oder verändert wird./This declaration relates exclusively to the machinery in the state in which it was placed on the market and excludes components which are added and/or operations carried out subsequently by the final user. This declaration will become invalid if any unauthorized modification is made to the product./Cette déclaration concerne exclusivement les machines dans l'état dans lequel elles ont été mises sur le marché et exclut des composants ajoutés et/ou les opérations effectuées par la suite par l'utilisateur final. La présente déclaration perd sa validité si des modifications non-autorisées ont été apportées à la machine.

Hiermit erklären wir, dass nachstehend beschriebenes Gerät/We hereby declare that the machine described below/
Nous déclarons que la machine ci-dessous

Produktbezeichnung/Product name/Nom du produit: Heizplattengerät / heatplate / plaque chauffante

Typenbezeichnung/Type/Type: THERMORET

allen einschlägigen Bestimmungen der Richtlinie 2014/35/EU und 2014/30/EU und 2011/65/EU (RoHS 2) entspricht.
is in conformity with all applicable requirements of the Directive 2014/35/EC and 2014/30/EC and 2011/65/EC (RoHS 2).
est conforme aux dispositions applicables de la Directive 2014/35/CE et 2014/30/CE et 2011/65/CE (RoHS 2).

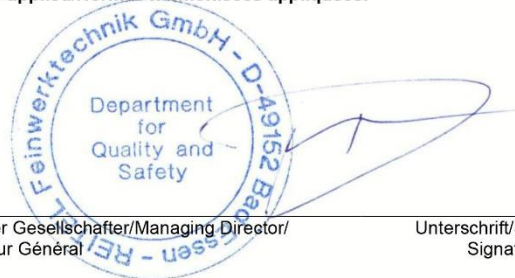
Angewandte harmonisierte Normen/Harmonised standards applied/Normes harmonisées appliquées:

DIN EN 61010-1:2020 DIN EN 61000-6-3:2011
DIN EN 61000-6-1:2019

04.02.2021

Ort, Datum
Place, Date
Lieu, Date

Daniel Reitel, Geschäftsführender Gesellschafter/Managing Director/
Directeur Général



Unterschrift/Signature/
Signature

We manufacture in compliance with Quality Management ISO 13485:2016 incorporating established standards.

