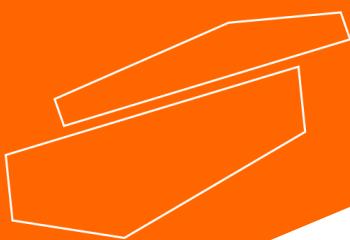




PORTABLE MINI TISSUE HOMOGENIZER, TH-1

Please read the User Manual carefully before use, and follow all operating and safety instructions!



user manual
english

User Manual



PORTABLE MINI TISSUE HOMOGENIZER, TH-1

Preface

Thank you for purchasing our product. Users should read this manual carefully, follow the instructions and procedures, and be aware of all preventive measures when using this instrument.

Service

If help is needed, you can always contact your dealer or Labbox via www.labbox.com.

Please provide the customer service representative with the following information:

- Serial number
- Description of the problem
- Your contact information

Warranty

This instrument is guaranteed to be free from defects in materials and workmanship under normal use and service for a period of 24 months from the date of invoice. The warranty is extended only to the original purchaser and shall not apply to any product or parts that have been damaged due to improper installation, improper connections, misuse, accidents, or abnormal conditions of operation.

For claims under the warranty, please contact your supplier.

Preface

Thank you for purchasing the Handheld Grinder-MINI. This user manual covers the functions and operating procedures of this device. Please read this manual carefully and keep it in a safe place.

Inspection

Users receive the product, open the instrument box, check the instrument and accessories, if the instrument or accessories packaging error, quantity error, packaging or product damage, etc., please contact the seller or manufacturer within 7 days, more than this, time will not be handled in accordance with the principle of non-product quality problems.

Safety Warnings and Guidelines

1. Important operation information of the security

Before operation, please have a perfect conception of how to use the Instrument.

Read this manual carefully before using it.

2. Security

- Please fully charge the battery and place it in the box if it is not used for a long time.
- Please fully charge the battery in time when the battery is exhausted to avoid damage to the battery and reduce its service life.
- Do not place the instrument in a high temperature of more than 40°C for a long time.
- The battery level is about 50% when it leaves the factory. Please fully charge it before the first use.
- The USB---TYPE-C interface is compatible with Android phones.
- Battery level display: One light on means 0-30% battery level, two lights on means 31%-70% battery level, three lights on means 70%-100% battery level, and the light will automatically turn off when fully charged.

 Any violation of the above requirements shall be the sole responsibility of the user, who will bear all resulting consequences.

3. The maintenance of Instrument

The frequent use of instruments will inevitably cause different degrees of wear and abnormality. Therefore, the regular maintenance and troubleshooting of the instrument plays a decisive role to guarantee the instrument in normal working and extend the service life of the instrument. Please read the entire safety instructions before starting to maintain or to clean the equipment.

Make sure that the power supply is disconnected before maintaining and cleaning the instrument.

- a. When the instrument is not used for a long time, it should be placed in the original packaging box to prevent dust or moisture from affecting the normal use of the instrument.
- b. Avoid direct touching between the instrument and water and other liquids, prevent entering the instrument, to cause short circuit.

- c. When cleaning, please use a sponge or towel to wipe the paint surface and the transparent area. Rough or too wet cleaning cloth will damage the equipment.
- d. The instrument shall be cleaned regularly with ethanol in a concentration of more than 70% and shall not be cleaned with corrosive liquid or detergent.

4. After Sale Service Commitment

A) Instructions for warranty

The company will replace the instrument within 1 month from the date of delivery of the product itself.

During the 1 year's warranty period of the instrument, the company will provide warranty for non-human damage or faults caused by defects of the product itself. The warranty products shall be sent to the designated maintenance department by the company, and the user bears the cost of shipping back. The company will bear the freight of the instrument returning to the user.

For out of the warranty period and not covered by warranty scope, the company will charge the corresponding cost.

B) Scope of Warranty

Damage and normal use loss caused by accidental disasters, improper user use, wrong application, unauthorized maintenance or modification, do not fall within the above warranty scope.

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1. Introduction

Handheld Grinder-MINI is a mini tissue grinder equipped with rechargeable battery, which is widely used in grinding and mixing animal and plant tissues, microbial samples, etc. in laboratories.

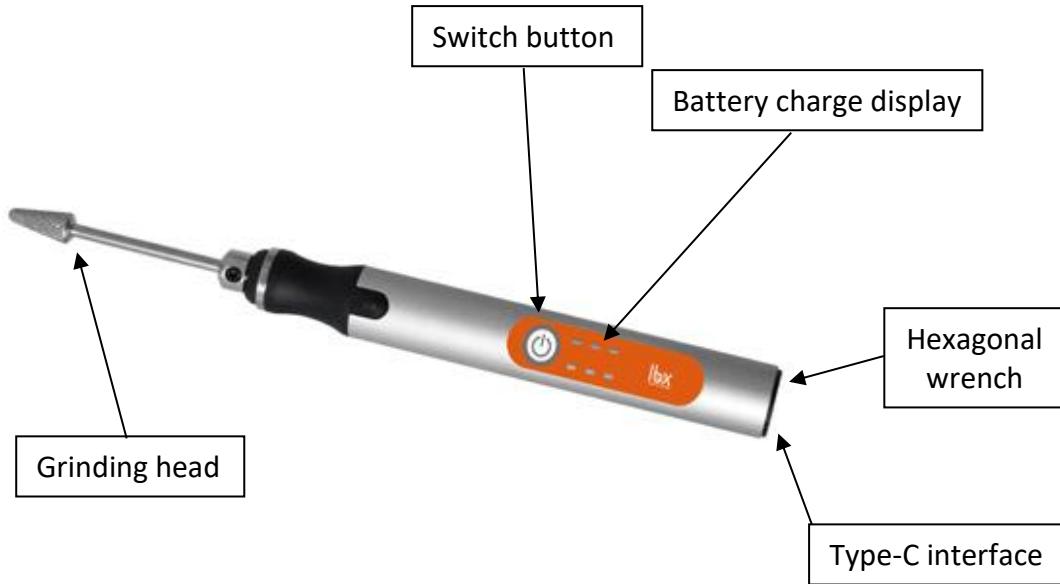
1.1. Features

- The overall design is lightweight, easy to operate with one hand, and suitable for outdoor work.
- High-performance lithium battery, fast charging and long-lasting battery life.
- Stainless steel grinding pestle, durable and wear-resistant, sterilizable at high temperature.
- 3 adjustable speeds to meet various experimental requirements.
- Sample processing volume up to 2 ml.

1.2. The basic parameters and function

Model	TH-1
Voltage	4.2V
Power	10W
Speed level	3 levels
Speed range	5000/10000/18000rpm
Power source	300mAh lithium battery
Battery working time	1h
Battery charging time	30min to 80%, 60min fully charged
Diameter of grinding pestle	6.6mm
Dimension	125*Φ16mm
Weight	0.086kg

1.3. Product Structure



2. Operation Guide

2.1. Install the grinding rod

- Place the grinding pestle in the chuck and tighten the fastening screws on both sides with equipped hexagonal wrench, to ensure that the grinding pestle is stably fixed in the chuck.

2.2. Operation Instruction

- 1) Press the power button once to start the machine and enter the 1st gear working state, at which the speed is 5000rpm.
- 2) Press the power button again to enter the 2nd gear working state, at which the speed is 10000rpm.
- 3) Press the power button again to enter the 3rd gear working state, at which the speed is 18000rpm.
- 4) Press the power button again to enter the shutdown state.

2.3. Overload Tips

- During use, the load display will display the load status at any time according to the usage. When the load is too large, the overload indicator will light up for 2 seconds and the overload system will shut down for protection. If you need to continue using it, you can press the power button again to turn it on.
- According to the current situation of use, users can understand the load situation and use it within the overload range.

3. Packing list

No.	Item	Unit	Qty
1	Host	unit	1
2	USB---TYPE-C charging line	pcs	1
3	Hexagon wrench	pcs	1
4	Stainless steel grinding head	pcs	1

Nota importante para los aparatos electrónicos vendidos en España

Instrucciones sobre la protección del medio ambiente y la eliminación de aparatos electrónicos:



Los aparatos eléctricos y electrónicos marcados con este símbolo no pueden ser eliminados en forma de residuos urbanos.

De conformidad con la Directiva 2012/19/UE, los usuarios de la Unión Europea de aparatos eléctricos y electrónicos, tienen la posibilidad de devolver sus RAEE para su eliminación al distribuidor o fabricante del equipo después de la compra de uno nuevo. La eliminación ilegal de aparatos eléctricos y electrónicos es castigada con multa administrativa.

Remarque importante pour les appareils électroniques vendus en France

Informations sur la protection du milieu environnemental et élimination des déchets électroniques :



Les appareils électriques et électroniques portant ce symbole ne peuvent pas être jetés dans les décharges.

En réponse à la réglementation, Labbox remplit ses obligations relatives à la fin de vie des équipements électriques de laboratoire qu'il met sur le marché en finançant la filière de recyclage de ecosystem dédiée aux DEEE Pro qui les reprend gratuitement (plus d'informations sur www.ecosystem.eco).

L'élimination illégale d'appareils électriques et électroniques est punie d'amende administrative.

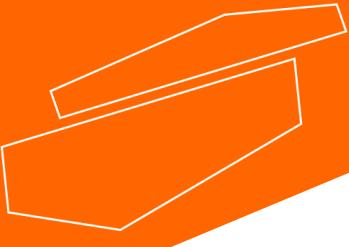
Nota importante per le apparecchiature elettroniche vendute in Italia

Istruzioni sulla protezione ambientale e sullo smaltimento dei dispositivi elettronici:



Le apparecchiature elettriche ed elettroniche contrassegnate con questo simbolo non possono essere smaltite come rifiuti urbani.

In conformità con la Direttiva 2012/19 / UE, gli utenti dell'Unione Europea di apparecchiature elettriche ed elettroniche hanno la possibilità di restituire i propri RAEE per lo smaltimento al distributore o al produttore di apparecchiature dopo averne acquistato uno nuovo. La rimozione illegale di apparecchiature elettriche ed elettroniche è punibile con una sanzione amministrativa.



www.labbox.com