

AGITADOR ROTATORIO PARA TUBOS, ANALÓGICO ROTARY SHAKER FOR TUBES, ANALOGUE AGITATEUR ROTATIF POUR TUBES, ANALOGIQUE

Ref. | Code | Réf. LJD002



Este manual es parte inseparable del aparato por lo que debe estar disponible a todos los usuarios del equipo. Le recomendamos leer atentamente el presente manual y seguir rigurosamente los procedimientos de uso para obtener las máximas prestaciones y una mayor duración del mismo.

This manual should be available for all users of these equipments. To get the best results and a higher duration of this equipment it is advisable to read carefully this manual and follow the processes of use.

Ce manuel est une partie indissociable de l'appareil et doit être mis à la disposition de tous les utilisateurs de l'équipement. Nous vous recommandons de lire attentivement ce manuel et de suivre scrupuleusement les procédures d'utilisation afin d'obtenir des performances maximales et une plus longue durée de vie de l'appareil.

LANGUAGE INDEX

Spanish	1-5
English	6-9
French	10-13

TABLE OF CONTENTS

1. Safety instructions.....	6
2. Inspection	7
3. Description of control elements	7
4. Operation	8
5. Faults and troubleshooting	8
6. Maintenance and cleaning.....	8
7. Technical specifications	9

1. SAFETY INSTRUCTIONS

Safety measures during operation

- Always use personal protective equipment to avoid risks from:
 - Liquid splashes
 - Broken glass containers
- Comply with all applicable safety standards, guidelines and occupational risk prevention regulations
- Do not touch moving parts while the equipment is in operation
- Install the instrument on a large, stable, clean, dry, non-slip and fire-resistant surface
- Do not use the equipment in explosive atmospheres, with hazardous substances or underwater
- If operation is unstable, reduce the motor speed
- Secure accessories and containers correctly to avoid risks or damage
- Do not process samples that may cause dangerous or flammable reactions
- Only use standard accessories specified by the manufacturer and follow the assembly instructions. Disconnect the equipment before installing accessories and check that they are in good condition before each use
- The equipment should only be opened by qualified technical personnel. Disconnect it from the mains
- Do not cover the equipment during operation. Avoid knocks or pressure on the instrument and its accessories
- Keep the equipment away from strong magnetic fields

2. INSPECTION

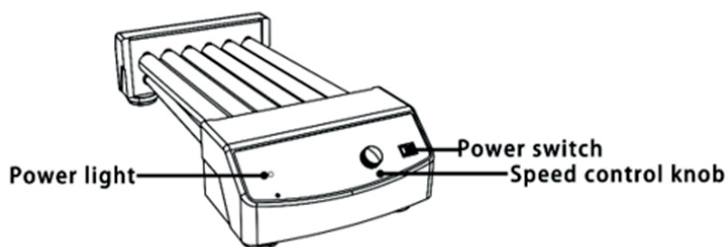
Inspection on receipt: unpack the instrument carefully and check that it has not been damaged during transport. If you detect any damage, contact your supplier for technical assistance.

Note: If you notice any visible damage to the equipment, do not connect it to the mains.

Contents

Item	Quantity
Main unit	1
Power cable	1
User manual	1

3. DESCRIPTION OF CONTROL ELEMENTS



Element	Configuration
Speed control knob	Allows you to adjust the speed by turning the knob. Starts or stops rotation
Power indicator light	Green LED. Lights up green when the equipment is switched on
Main switch (I/O)	Allows you to turn the equipment on (I) or off (O)

4. OPERATION

- Place the device on a safe and stable surface. Check that the power supply voltage matches the specified voltage and that the power outlet has a reliable ground connection.
- Connect the power cable.
- Switch on the equipment using the main switch (I/O).
- Speed adjustment: turn the speed control knob to select the desired speed.

5. FAULTS AND TROUBLESHOOTING

- The equipment does not turn on when the rotation function is started:
 - Check that the power cable is properly connected.
 - Check whether the fuse is broken or loose
- For any other faults, contact your supplier for an assessment of the problems

6. MAINTENANCE AND CLEANING

Proper maintenance ensures the equipment functions correctly and extends its service life.

Cleaning:

- Do not spray cleaning products directly onto the equipment
- Do not disconnect the power cable by pulling on it during cleaning
- Only use products recommended for the type of dirt:

Type of dirt	Recommended product
Dyes	Isopropyl alcohol
Building materials	Water with surfactant/isopropyl alcohol
Cosmetics	Water with surfactant/isopropyl alcohol
Food products	Water with surfactant
Fuels	Water with surfactant

Before using other cleaning or decontamination methods, consult your supplier to ensure that no damage will occur to the equipment.

Wear suitable protective gloves during cleaning tasks.

Important notes:

- Do not use cleaning products on electronic components
- If the equipment must be sent for repair, it should be cleaned beforehand to avoid contamination by hazardous substances and sent in its original packaging
- If the equipment is not going to be used for a long period of time, switch it off and store it in a dry, clean place at room temperature and on a stable surface.

7. TECHNICAL SPECIFICATIONS

Code	LJD002
Model	RsLab-10
No. of rolls	6
Roll dimensions	280x30 mm
Agitation movement	Rotary and rocking
Speed range	0-70 rpm
Type of operation	Continuous operation
Motor type	Brushless
Dimensions	450 x 260 x 120 mm
Weight	4.5 kg
Permissible ambient temperature	5-40°C
Maximum permissible relative humidity	80%
Degree of protection	IP21