

A close-up photograph of laboratory equipment. In the foreground, a black cylindrical component with a white knurled top is visible, labeled '1' and 'ortoalresa Ns 220759/05'. To the right, several stainless steel tubes are arranged diagonally, each engraved with 'ortoalresa Ns 220607/02'. In the background, a black tray holds several red caps. A dark semi-transparent banner is overlaid on the right side of the image, containing the company logo and tagline.

**orto
alresa**
About centrifugation

General applications | MINICEN



MINICEN



Your personal centrifuge for the most demanding laboratory. Compact, quick, reliable and with precise control of operating parameters. Indispensable in separation processes for microvolumes, in which the relative centrifugal force must be high. The Minicen centrifuge includes a rotor for twelve 1.5-2 ml. tubes, able to reach 15,000 RPM and up to 15.596 xg. Also supplied with reducers for 0.5-0.6 ml. and 0.2-0.4 ml. tubes, thus covering needs as regards an equipment for all types of microtubes.

The smallest in the family, offering the performance of biggest ones.

Features

- Small footprint: 5 kg. of weight.
- LCD screen:
 - Shows RPM/ RCF, time, rotor spinning and lid status.
 - Speed programming in 100 RPM/100 xg steps.
 - Timer from 30 sec. to 999 min. programmable in 1 sec. steps or hold position.
 - Timer with countdown at set time.
 - Several acoustic and visual messages showing the equipment status to the user.

Easy to use

- Microprocessor controlled.
- PC connection by USB.
- Induction motor maintenance free (brushless).
- Noise level: below 60 dB.
- Start, short spin, stop, open lid, speed, time and RPM/RCF switch buttons.
- Possibility to modify the speed during the cycle.
- Automatic lid opening.
- Last values remain in memory.

Safety

- Lid provided with security systems:
 - Automatic lid lock system, motorized.
 - Emergency lid-lock release.
 - Locking and protection against opening along the run.
 - Lid dropping protection.
 - Port in the lid for calibration and operation checking.
- Unbalance detection and switch off.
- Rotors can be removed with the lid closed. Hermetic lids.
- Rotors and adapters autoclavable, easy to install by the user.
- Ventilation system to reduce temperature increasing.



| | |
|----------------------------------|-------------------------------------|
| Max. Capacity 12 x 1,5 - 2 ml | Max. Speed 15.596 xg /15.000 RPM |
| Screen Type LCD | Version Ventilated |

EU Directives: 2011/65/EU, 2012/19/EU, 2014/30/EU, 2014/35/EU, 98/79/EC.
Standards: EN 61010-1, EN 61010-2-101, EN 61010-2-020, EN 61326-2-6, EN 61326-1.

Versions

| | Dimensions (mm) (w x d x h) | | | | Net Weight (Kg) | Voltage (V) | Frequency (Hz) | Consumption (W) |
|--------|--------------------------------|-----|-----|--|--------------------|----------------|-------------------|--------------------|
| CE 182 | 230 | 270 | 130 | | 5 | 230-110 | 50-60 | 180 |

This code includes the next configuration:

Centrifuge Minicen + angle fixed rotor RT 255 with capacity for **12 x 1,5-2 ml.** and adapters for **12 x 0,5-0,6 ml. (RE 509)** and **12 x 0,2-0,4 ml. (RE 510).**

In the next chart you can find a range of accessories (rotors and adapters) that will increase the versatility of this configuration.

Accessories

| | INCLUDED | | OPTIONAL | |
|------------------------|------------------------|-----------|------------------|------|
| | RT 255 | | RT 263 | |
| | | | | |
| ROTOR | ANGLE FIXED 30 ° | | ANGLE FIXED 45 ° | |
| Max. capacity | 12 x 1,5-2 ml. | | 16 x 0,2 ml. | |
| RPM Max. | 15.000 | | 15.000 | |
| Radius (mm) | 62 | | 52 | |
| RCF Max. (xg) | 15.596 | | 13.080 | |
| SAMPLE VOLUME | ADAPTERS | | ADAPTERS | |
| | Tubes | Ref. | Tubes | Ref. |
| | Microtubes 1,5-2 ml. | 12 - | - | - |
| | Microtubes 0,5-0,6 ml. | 12 RE 509 | - | - |
| Microtubes 0,2-0,4 ml. | 12 | RE 510 | 16 | - |



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