



ISA Centrifuge MultiLab 0,6 L



1/Technical specifications

- 1- The dimensions of the centrifuge must not exceed (H x W x D) = 34 x 39 x 51 cm for ventilated and 34 x 46 x 72 cm for refrigerated.
- 2- The noise level during operation at maximum speed must not exceed 54 Db(A).
- 3- The centrifugation chamber in stainless steel.
- 4- CFC-free refrigeration system
- 5- Carbonless induction motor
- 6- Maximum speed: 6700/ 5169x g
- 7- Max volume capacity: 0.6 Liter
- 8- Cycle time: 10 s to 99h59mn59s. - Pulse function
- 9- Has 10 acceleration slopes and 10 braking slopes.
- 10- Temperature setting range: -10° to +40°.
- 11- Temperature accuracy: +1 /-1°C
- 12- Number of programs 99+2
- 13- Power supply : 230 V / Single phase / 50 Hz

2/ Capacity & speed

- 1- Centrifuge MultiLab 0.6 Liters
- 2- Maximum capacity: 40 tubes of 5 mL, 6 x 85 mL or 8 microplates.
- 3- Maximum speed is 6700 Rpm / 6324 x g



3/ Centrifuge specifications

ISA's Top Unique Points

1- **"The blue box"**: A unique system for integrating the centrifuge's electronic functions into a front central unit. Plug & play system guaranteeing a fast and efficient intervention as well as a security of your data and program

2- **Interactive communication with ISA**

With its unique illuminated displays, ISA :

Will monitor your samples.

- Its blue knob will ensure that the sample is under control. The parameters: cold, speed, time are respected.
- Its grey knob will warn you that an action is necessary to reach the desired parameters (launch a pre-cool program, put the air conditioning in your room, clogging of the condenser to be cleaned...)

Confirm whether or not the cycle is running smoothly

- Its green knob will indicate that the cycle went perfectly.
- Its red knob will indicate that an error occurred during the cycle.

Voluntary stop or centrifuge error. In the latter case, pictograms will tell you which type of error it is, so that you can contact maintenance or resolve the fault by yourself.

3- **99 programs** available for recording all the protocols you need

4- **Ultra-silent centrifuge <54 Db (A)** at max speed 4500 Rpm with swing out rotor.
< 52 Db (A) at lower speeds.

5- **"My AFI" application** allows the user to retrieve data and protocols, go back in time, record error and maintenance alerts as well as user aids. The user can also transfer programs to other devices (* in progress in 2020).

6- **Centrifuge compatible with any electric network worldwide**

Automatic correction of the electrical network guarantees the stability of the machine's performance, and therefore the repeatability of the cycles in the event of an important variation in your electrical network. Guaranteed results for your samples.

7- **Updating centrifuges by a simple USB connection** on the front panel. (new functionality, security update ...etc)

8- **Refrigerated centrifuge** equipped with the new gas complying with the new legislation 2020



Temperature

- 9- At the end of your cycle, the set temperature will be maintained for a period of 4 hours, while waiting for the lid to be opened and/or for your samples to be recovered.
- 10- By their design, AFI centrifuges ensure a constant tank temperature as well as the possibility to follow the temperature evolution of your samples.

Display

- 11- Digital LCD display, tilted for better visibility
- 12- Start/stop touch button accessible with gloved hand

Programmation

- 13- Automatic RPM / RCF converter accessible at any time even during centrifugation by a single press on the screen.
- 14- Self-diagnosis of the main functions of the centrifuge. Simple and easy and can be carried out at any time by the customer.

Ergonomics

- 15- Ergonomic lid designed for ease of handling for all.

Security

- 16- Automatic calibration system to avoid resuspension of samples. The machine calibrates itself taking into account the vibrations of the support where it is installed (table, bench).
- 17- Unbalance detection: For micro tube applications, the sensitivity level of the unbalance detection can be adjusted with an accuracy of 1gram.
- 18- Electrical opening of the lid in complete safety with a button with side access.
- 19- Emergency opening in case of power failure.
- 20- Error diagnosis and information to the user in the form of an acoustic and visual signal.
- 21- Lid equipped with a porthole for speed measurement during a metrological check