



High speed centrifuges with microprocessor control “Meditronic-BL-S” and “Medifriger-BL-S”

“in vitro” diagnostic
medical devices I V T



Capacity up to 800 ml. Maintenance free induction motor drive.

Control panel features (see page 118).
External case made of DUR-AL alloy with an AISI 304
stainless steel bowl.



Model “Meditronic-BL-S”

Model “Medifriger-BL-S” refrigerated, temperature range 0 °C to 30 °C.

MODEL

Part No.	Max. Volume ml	Max. Number of tubes	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7001376	800	4 x 200 ml	38 46 52	520	44

MODEL

Part No.	Max. Volume ml	Max. Number of tubes	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7001377	800	4 x 200 ml	38 68 52	1230	70

Note: The rotor being used limits the actual temperature in the chamber due to the speed and ambient temperature. Internal temperature indicated on the LCD display.

ACCESSORIES

Angle rotors with lid, made of anodised hardened aluminium with identification system. All rotors are autoclavable.



7000741



7000742



7000743



7001449



7001448



7001447



7001446



7001445



7001444



Microprocessor controlled centrifuges “Meditronic BL-S”, “Medifriger BL-S”, “Macrotronic BL” y “Macrofriger BL”



COMMON FEATURES

Induction drive maintenance free motor.

Low noise level 50-60dBa.

Robust all metal construction:

- External case made from DUR-Al alloy.
- Internal bowl and top plate all stainless steel
- Internal steel safety chamber within the case.

Electronic circuits, microprocessor digital control of all parameters and functions: speed, acceleration, brake, RCF, temperature, timer, 10 program storage, automatic rotor recognition and alarm system.



Rotor identification head, when the centrifuge lid is closed the rotor communicates all the data of the functions of it. This prevents, before use, any risk of failure of using the wrong rotor in a program or exceeding the rotors running parameters. The advantage of this system is that we can add additional rotors to the range without changing the centrifuge model.

All Rotors, buckets and adapters are identified with an inalterable engraved laser code.

Air circulation system, for centrifuges without refrigeration to limit any excessive rise in temperature within the centrifuge, all air circulated within the chamber is channelled out of the back and is not re-circulated, this means that the centrifuges internal temperature will remain low and constant.

Hermetically sealed compressor, mounted on anti-vibration mounts with re-circulating evaporator around the centrifuge chamber. (only applies to refrigerated centrifuges).

CONTROL PANEL INFORMATION LCD display of 2 x 20 characters that permanently show the running conditions of the machine.

STATUS	Status.
STOP	Stop.
START	Starts the run.
STANDBY	Wait, standby.
STORED	Stores the last set of parameters.
CONFIG	Sets the program parameters.
PROGRAM	Select stored program.
RAMP	Centrifuge accelerating to set speed.
SET SPEED	Centrifuge is running at set speed.
BRAKE	Centrifuge is slowing down in deceleration phase.
ROTOR×PRG	The selected program does not match the installed rotor.
PROGRAM TIME	Informs that a time needs to be set to operate.

ALARM

Informs of a fault:

POWER FAIL	Power failure during the run.
ROTOR FAIL	Fault in reading the rotor identification.
DOOR OPEN	Lid open- not closed properly.
UNBALANCED	Out of balance, adjust distribution of tubes.
EEPROM FAIL	Set parameters failed to be recognised.
CONTROL FAIL	Speed detector indicator failure.
OVER TEMP	Over set temperature value.

CONTROL PANEL



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|-----------|-----------------------|----------------|-----------|------------------------------|--|-----------|-------------------|------------|---|-----------------|---------------|--------------|-----------|------------|------------------|
| 1 | 2 | 3 | 4 | 16 | 5 | 6 | 7 | 9 | 8 | 10 | 11 | 13 | 12 | 14 | 15 |
| 1. R.c.f. | 2. Acceleration ramp. | 3. Brake ramp. | 4. Speed. | 5. Timer from 1' to 59' 59". | 6. Temperature (Refrigeration model only). | 7. Memory | 8. Configuration. | 9. Cursor. | 10. Push button increase/decrease set or value. | 11. Validation. | 12. Open lid. | 13. Program. | 14. Stop. | 15. Start. | 16. LCD Display. |

