



**Floorstanding
Centrifuges,
non-refrigerated
and refrigerated**

ROTIXA 50 S/50 RS



Among experts "ROTIXA" has become a household word for high sample throughput. This is why ROTIXA models are the centrifuges of choice in development and quality control laboratories of the life science industry and in medical routine laboratories.

With generating a maximum RCF of 5,530 ROTIXA centrifuges are suited for separating a wide range of samples such as food and beverage, cell suspensions, sediments of chemical reactions, sludge and, of course, blood and blood components.

In addition to all commonly used blood collection systems the ROTIXA 50 S and 50 RS centrifuges accommodate conical tubes with screw cap, microtitre plates and centrifuge bottles up to a volume of 1,000 ml.

With the growing use of clinical chemistry analysers in mind, the ROTIXA 50 S and 50 RS centrifuges are also designed to spin racks of well-known manufacturers like Olympus, Hitachi or LKB.

It goes without saying that they also accept the time-tested round-bottom tubes up to a volume of 250 ml.

PERFORMANCE

- 4,900 min⁻¹ in a swing-out rotor, RCF 5,530
- max. 4 x 1,000 ml
- extremely short run-up and run-down times

TECHNOLOGY

- easily exchangeable rotors
- smooth and quiet running
- exceptional speed stability
- frequency-controlled drive, maintenance only required according to UVV regulations
- see-through glass in the lid for additional speed control

REFRIGERATION

- temperature in the ROTIXA 50 RS is controllable within a range of -20 °C to +40 °C



ROTIXA 50 S
floorstanding centrifuge,
non-refrigerated

Cat. No. 4905

SAFETY

- Stainless steel centrifuging chamber
- Panelling with scratch and impact resistant coating
- Automatic lid locking and holding
- Lid dropping protection
- Emergency lid lock release
- Automatic rotor recognition
- Imbalance switch-off
- Key-operated switch for locking and protecting programs
- Motor overheating protection
- Chamber overheating protection in the ROTIXA 50 RS
- Conformity with the latest national and international safety standards such as IEC 1010-2-2, EN 61010-1 and all relevant EC regulations
- CE marked

MODEL VARIANTS

The ROTIXA 50 RS is also available

- with connection for nitrogen flushing (Cat. No. 4910-20),
- as heating/cooling variant up to +60 °C (Cat. No. 4910-50),
- with internal cooling unit (Cat. No. 4910-96),
- with connection to external cooling units (Cat. No. 4910-90),
- as GMP versions

Having to cope with high sample throughput? No problem!

With a capacity of e.g.

- 192 blood collection tubes or
- 32 x 50 ml conical tubes with screw cap
- 16 standard size microtitre plates
- 20 HITACHI racks
- 4 x 1,000 ml bottles
- 4 blood bags in a swing-out rotor



ROTIXA 50 RS
floorstanding centrifuge,
refrigerated

Cat. No. 4910

Control Panel

ROTIXA 50 S/50 RS

...programming with effortless ease



Whether entering single parameters or chaining complete running programs, the clearly arranged display with its selector keys and adjusting knob provides for extreme user-friendliness.

The controls and displays of the ROTIXA 50 S/50 RS centrifuges are arranged according to ergonomical aspects.

The large display is clearly arranged and well readable. During centrifugation the actual values of all parameters are indicated.

For special routine or scientific applications the ROTIXA 50 S/50 RS centrifuges can be fitted with the following optional equipment:

Centrifuging data report

With the Hettich data report system up to 29 centrifuges can be controlled by a single PC. An optical cable connects the centrifuge to a BUS system. Protocols of selected centrifuging data and barcode readers can be produced via a PC with an RS 232 interface.

Visual indication when rotor is stationary

for additional information on the completion of a centrifuging cycle.

Chaining of programs

allows to program the centrifuge to run different programs in succession.

Second independent tacho system



for calibrating the speed measuring instrument as required by quality management systems.

ROTIXA control panel: Entry of the parameters is exact, fast and easy with selector keys on the water-protected foil keypad and an adjusting knob.

DISPLAY

- PROG-Nr** Program number.
89 programmable memories are available.
- T/°C** Temperature of the refrigerated ROTIXA 50 RS.
- PROFIL** Run-up and run-down profile.
- n/min⁻¹** Speed indication.
- t/min:sec** Centrifugation time (max. 999 min : 59 sec).

KEYPAD

- STO** Stores the program.
- RCL** Calls up the selected program.
- PROG** Selects the program menu.
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- Entry of the temperature from $-20\text{ }^{\circ}\text{C}$ to $+40\text{ }^{\circ}\text{C}$ in increments of $1\text{ }^{\circ}\text{C}$ with the refrigerated ROTIXA 50 RS.
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- Entry of the run-up time in ramps 1-9 or in min:sec.
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- Entry of the run-down time in ramps 1-9 or in min:sec. Unbraked run-down or a brake force cut-off speed can be selected.
- RCF** Switches from RPM to RCF display.
Entry of the RCF in increments of 1.
Entry of the rotor radius in mm in RCF mode.
- I RCF** The integral over the RCF indicates the overall RCF acting on the centrifuged material during the running time so far.
- n** Entry of the speed in increments of 10.
- t** Entry of the centrifugation time (max. 999 min : 59 sec).
- START** Starts centrifugation.
- STOP** Stops centrifugation manually.