

Nuairé Hitachi Koki himac CS150NX Tabletop Micro Ultracentrifuge

Model CS150NX features a re-engineering drive shaft to produce speeds of 150,000 rpm and a RCF of 1,050,000 xg.

Rating: Not Rated Yet

[Ask a question about this product](#)

Manufacturer [Hitachi Koki](#)

Description



Touch Screen Color Display Offers easy system operation and various menu/function selection



Password Protected Prevents unauthorized setting changes

- [Features](#)
- [Specifications](#)

Features

Technologies

- Reliable Drive Unit

The CS150NX only takes 90 seconds to reach the world's fastest speed 150,000rpm by himac original vacuumed drive unit. The Drive Unit is backed by a 5 Year Warranty.

- Imbalance Protection System

Samples need to be balanced within 5mm by visual check only. A non-contact imbalance sensor monitors vibration of the rotor and drive shaft. In the event of unexpected vibrations the Imbalance Protection System activates and ceases operation immediately.

- Self-Locking Rotor System

Installing and removing a rotor has never been simpler. Place the rotor on the drive shaft and that's it. The rotor is automatically locked by centrifugal force. There is no need for screws, tools, or buttons.

- Self-Locking Rotor System

With the use of only your hands, rotors may be placed and removed from the drive shaft. Centrifugal force locks the rotor into position

without the use of tools.

- Simplified Operation with Touch Screen Controls

A color touch screen LCD with graphic user interface simplifies user operation by using universal icons. High contrast text and buttons on a black color background makes user system recognition easy.

- Quiet Operation of 45 dbA

Just louder than a whisper, the CS150NX can attribute its quiet operation to rigid-control drive system and sound absorbing structure design.

- Easy Timer Setting and Actual Run Timer

The himac original RTC (real-time control) function makes timer setting easy. Simply set the start time or finish time along with running time. It is easier than conventional delay time setting timer.

The himac original Actual Run Timer starts when the setpoint speed is attained and excludes acceleration time from the set time. It helps to precisely control the net run-time and obtain high-reproducibility separation. Of course, conventional run timer is selectable.

- User Administration with Password Protection

Control users by registering them to the system with different access levels and passwords.

Options

- Biosafety Option

In order to prevent from exhausting bio-hazardous samples into the laboratory, a micro-filter can be assembled in a vacuum line as an option.

Specifications

	Model	CS150NX
Maximum Speed (rpm)		150,000
Maximum RCF (xg)		1,050,000 (S140AT rotor)
Speed Control Accuracy (rpm)		±50 (5,000 to max speed)
Maximum Capacity (nominal)		30ml x 6 tubes (S50A rotor)
Maximum Capacity (nominal) (Swinging Bucket Rotor)		7ml x 4 tubes (S50ST rotor)
Timer		1 min. to 99 hrs. and 59 min. with HOLD and RTC (real-time control) function
Vacuum System		Oil rotary vacuum pump and oil diffusion pump
Rotor Temperature Control Range (°C)		0 to +40 (1 degree increment)
Rotor Cooling Method		Thermo-module Cooling System (HFC free)
Screen Display		Color LCD (touch-sensitive)
Rotor Setting Method		Self-locking Rotor System (no tools required)
Operational Noise (dbA*)		45 *Measured 1 meter from front of unit
Maximum Heat Dissipation into Room (kW)		0.7 or Less
Exterior Dimensions (W x D x H)		23 ¼ x 22 ¾ x 16 ¼ in. (590 x 582 x 408 mm)
Floor Area		5½ ft² (33 ½ x 23¼ in.) [0.50 m² (850 x 590 mm)]
Weight		214 lbs. (97 kg)
Power Requirements		AC 110 or 120V ±10%, 15A (50/60 Hz), Single Phase
		AC 208, 220, 230, 240 V ±10%, 8A (50/60 Hz), Single Phase
Drive Unit Warranty		5 Years

Reviews

There are yet no reviews for this product.