



Minitron

Maximum performance in minimum space



- ▶ Maximum growth
- ▶ Space-saving design
- ▶ Minimum CO₂ consumption
- ▶ Intuitive operation
- ▶ Easy cleaning
- ▶ Wireless bioprocess control

« Even at the maximum load with a culture volume totalling 7.5 L, the Minitron's low-vibration and low-noise operation are persuasive factors. »»

Dr. Daniel Brücher, Product Manager Shakers, INFORS HT



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May be subject to technical amendments

INFORS HT

Maximum performance in minimum space

▶ Maximum growth

The powerful drive allows shaking speeds of up to 400 rpm, even when units are stacked. When combined with the new Ultra-Yield Flasks™ (Thomson), you get optimal oxygen transfer for maximum growth and high cell densities.

▶ Space-saving design

Thanks to its modular design, the Minitron can be operated either on the floor or on a table and even in a stack of two units.

▶ Minimum CO₂ consumption

The thorough housing seal minimises CO₂ consumption to a level that is comparable to that of static incubators. CO₂ regulation is particularly recommended for the cultivation of mammalian cells or algae.

▶ Intuitive operation

The newly designed touch controller has modern sensor keys and a newly developed menu structure. The result is an intelligent controller that leads the user through the menu with targeted feedback.

▶ Easy cleaning

The interior has been redesigned on hygienic principles and enables reliable cleaning. The bottom well retains liquid that escapes if a flask breaks, allowing it to be drained off via a nozzle.

▶ Wireless bioprocess control

The combination of Iris 6 Parallel Bioprocess Control Software and wireless data transmission offers convenient process data recording options, e.g., for process validation and Process Analytical Technology (PAT). Temperature-controlled induction of protein expression, for instance, can be enabled by simply creating time-based profiles in the Iris 6 software.



Key technical Data*

Minimum dimensions (W x D x H): 800 x 623 x 700 mm (Individual device on rubber feet, without outlet nozzle)

Maximum capacity: 2 x 5 L Erlenmeyer flasks

Maximum expansion: Stackable, up to 2 units

Speed ranges: 20–400 rpm

Temperature range: 5°C above RT up to 65°C (without cooling system); 16°C below RT up to 65°C (with cooling system); minimum 4°C

Standard parameters: Temperature and speed

Optional parameters: Cooling, CO₂ control, humidification, illumination (on request)

* Technical data are based on a Minitron without options, measured under optimal conditions.

Erlenmeyer flasks	Max. capacity*
50 mL	69
100 mL	46
250 mL	25
500 mL	15
1000 mL	10
2000 mL	6
5000 mL	2

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