



Orbitron

The orbital table shaker with Penta-Drive

- ▶ Stable, reliable Penta-Drive
- ▶ User-friendly control with timer
- ▶ Range of options for trays & fittings
- ▶ Splash-proof operating panel
- ▶ Protected against spills of liquids
- ▶ Easy-to-clean composite housing
- ▶ Ideal for use in large incubators
- ▶ Proven technology



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May be subject to technical amendments

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Modern Technology

▶ Stable, reliable Penta-Drive

The "Penta-Drive" features dynamic mass balancing which guarantees extremely quiet, vibration-free running. Five points of attachment ensure a low-wear, precise shaking action.

▶ User-friendly control with timer

With digital setting of shaking speed and shaking time.

▶ Range of options for trays and fittings

Accepts tables of Type ATN, ATF and even ATM. They can be Universal, with holes for different clamps or holders, "fixed" with only one size of clamp, or with adhesive matting i.e. "Sticky Stuff". Options for micro-titre plates and other containers are available.

▶ Splash-proof operating panel

The panel can be wiped clean and cannot be harmed by ingress of liquids. The large, clear display is readable even at a distance.

▶ Protected against spills of liquids

Designed to meet IP43 – protected against objects larger than 1 mm and against spraying water

▶ Easy-to-clean composite housing

The housing will not be damaged or rust if it comes into contact with liquid. Rounded corners with a wide radius ensure easy cleaning.

▶ Ideal for use in large incubators

An external power supply and a new, watertight motor of the latest generation (which does not get more than hand-warm) ensure minimal heat generation with maximum safety. Resistant against CO₂ and humidity.

▶ Proven technology

The Orbitron is a development from the successful Ecotron incubator shaker, which has already proven the robustness and reliability of the drive mechanism over time under real operating conditions.



Technical Data

Shaker Speed	20–550 rpm
Throw	∅ 25 mm
Accuracy	± 1% of maximum speed
Ambient temperature	+4°C to 65°C (external power supply 0–40°C)
Humidity	up to 85% non cond.
Power supply (external)	115/230V ± 10% 50–60 Hz
Dimensions	640 x 600 mm

Loading Capacity (depending on trays)

The shaker can accept either tables of Type ATN 420 x 480 mm, ATF 420 X 800 mm or ATM 470 X 850mm

Size of flask	Quantity ATN	Quantity ATF	Quantity ATM
50	69	106	131
100	46	73	87
250	25	41	48
500	15	24	31
1000	10	14	19
2000	6	8	13
5000	2	6	6

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