

3019 / 3020

Technical Data

Overall dimensions (W x D x H):
745 x 730 x 135 mm

Moving platform: 676 x 540 mm

Load: max. 30 kg

Shaking motion: orbital

Timer:

3019 / up to 60 minutes, or continuous operation

3020 / 1 min. - 99:59 hours, or continuous operation

Shaking amplitude: 32 mm

Shaking frequency: 20 - 250 rpm

when the rack frame is used: 20 - 200 rpm

Electrical connection: 230 V*

* Other voltages on request!

3019 / 50...60 Hz, 90 W

3020 / 50 or 60 Hz**, 90 W

** Please indicate when ordering!

Net/gross weight: 34/40 kg

Packing volume (cardboard box): 0.51 m³

■ Order No. 3019

■ Order No. 3020

with RS 232 port

■ Indispensable and powerful

A dependable, long-life Orbital Shaker with a large shaking tray for accommodating heavier loads. A universally applicable, quiet unit, indispensable in the growing of micro-organisms, cell and tissue cultures.

This unit is well-suited for gentle motion or vigorous mixing of the most varying liquids, even in continuous operation, thanks to its useful shaking amplitude and the option of adjusting its speed. Both of these units are maintenance-free, carry the GS safety approval and come with the CE mark.



3019 Analogue Orbital Shaker with Rack Frame 3981, Trays 3980 (2), Test Tube Racks 3953 and Clamps for Erlenmeyer flasks 3983 - 3990

Features

- ▶ compact, low-wear counterbalanced drive mechanism, ensuring high stability and dependability
- ▶ housing made of high impact strength polystyrene, off-white varnish. The base plate and the

shaking platform are made of electrolytically galvanised, powder-coated sheet steel. The shaking platform is equipped with four support rods with screw-type clamps for secure attachment of accessory equipment

- ▶ a special rubber pad ensures a non-slip grip of objects on the shaking tray
- ▶ an a.c. motor with overload protection drives the unit
- ▶ 3019 - clearly laid-out control panel for easy operation
3020 - speed and remaining time indicated by two LC displays
- ▶ 3019 - electronic speed control, stepless, gentle start-up
3020 - microprocessor-controlled, adjustable in steps of 1.0 rpm, gentle start-up
- ▶ constant speed during continuous operation, independent of load

Applications

Impressive references. For this powerful orbital shaker leaves a lasting impression everywhere it has been used, for example, for analytical or diagnostic applications in the pharmaceutical industry, chemistry, biology, or in plant breeding or nutritional applications.

Both of these units are well-suited for use in laboratories, incubation rooms and moderating rooms in ambient temperatures between +10 °C and +50 °C.



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