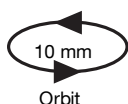


# Compact shaker-incubator

## ES-20

Versatile and programmable bench-top orbital shaker-incubator for mixing and incubating biological cultures and samples in a variety of flasks and vessels.

- Digital control of time, temperature and shaking speed for accuracy and repeatability
- Variable speed: 50 to 250 rpm
- Temperature range: 25 to 42°C
- Load up to 2.5 kg
- Interchangeable platforms for shaking/incubating different vessels



Temperature control by microprocessor plus forced heated air circulation ensure a constant and even temperature within the chamber

Designed for easy assembly/disassembly – easy to move from one location to another. Comes flat packed, takes an hour to assemble

Equipped with direct drive shaking system for reliable, long-term operation

### ES-20 shaking incubator with PUP-12 universal platform

Simple to programme time, temperature and shaking speed using clear 2-line 16 character LCD

Robust, compact construction with clear 7mm thick Plexiglass panels

Option of five easily interchangeable platforms for a wide range of applications



\* supplied without platform

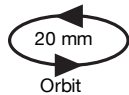
- Applications:**
- Life sciences - suitable for growing cell cultures in flasks, extracting tissue samples at physiological, temperatures, and sample preparation processes, mixing of biological liquids as well as the incubation and cultivation of biological liquids, growing e-coli, bioluminescence preparation

# Shaker-incubator

## ES-80

Stable and reliable orbital shaker-incubator for vigorous or even mixing and incubation of samples in a variety of flasks and vessels.

- Digital control of time, temperature and shaking speed for accuracy and repeatability
- Variable speed: 50 to 250 rpm
- Temperature range: 25 to 80°C
- Load up to 8 kg
- Interchangeable platforms for shaking/incubating different vessels



Temperature control by microprocessor plus forced heated air circulation ensure a constant and even temperature within the chamber

Designed for easy assembly/disassembly – easy to move from one location to another. Comes flat packed, takes an hour to assemble

Equipped with direct drive shaking system for reliable, long-term operation

**ES-80 shaking incubator with P-9/500 platform (order platform separately)**

Simple to programme time, temperature and shaking speed using clear 2-line 16 character LCD

Robust, compact construction with stainless steel inside chamber

Option of five easily interchangeable platforms for a wide range of applications

State-of the art motor, thermal insulation materials and temperature PID-control decreases the energy consumption

\* supplied without platform

- Applications:**
- Life sciences - suitable for growing cell cultures in flasks, extracting tissue samples at physiological, temperatures, and sample preparation processes, mixing of biological liquids as well as the incubation and cultivation of biological liquids, growing e-coli, bioluminescence preparation

Shaking incubators – specifications

ES-20



h: 435 mm  
d: 340 mm  
w: 340 mm  
weight: 15kg










ES-80



h: 510 mm  
d: 525 mm  
w: 590 mm  
weight: 43kg

Speed range	rpm	50 to 250	
Stability	°C	0.5	
Orbit	mm	10	20
Temperature range	°C	25 to 42	25 to 80
Temperature setting resolution	°C	0.1	0.1
Continuous operation	hrs	96	168
Timer		1 min to 96 hours	
Load capacity	kg	2.5	8
Display		2 line 16 character LCD	2 line 16 character LCD
Power supply	V	230 (50-60 Hz)	230 (50-60 Hz)

Accessories

<p><b>P12-100</b> Platform with clamps for 12 x 100 ml flasks/150 ml beakers Dimensions: 250 x 190 mm</p> 	●	-
<p><b>PP-4</b> – Flat platform with non-slip rubber mat for Petri dishes and culture flasks Dimensions: 219 x 219 mm</p> 	●	-
<p><b>P6-250</b> Platform with clamps for 6 x 250 ml flasks/400 ml beakers Dimensions: 250 x 190 mm</p> 	●	-
<p><b>PUP-12</b> Universal platform, with adjustable bars. Dimensions: 270 x 195 mm</p> 	●	-
<p><b>P-16/88</b> Platform with spring holders for up to 88 tubes, 30mm diameter</p> 	●	-
<p><b>PP-400</b> Flat platform with non-slip rubber mat (360 x 400mm)</p> 	-	●
<p><b>P30-100</b> Platform with clamps for 30 x 100 ml flasks</p> 	-	●
<p><b>P16-250</b> Platform with clamps for 16 x 250 ml flasks</p> 	-	●
<p><b>P9-500</b> Platform with clamps for 9 x 500 ml flasks</p> 	-	●
<p><b>P6-1000</b> Platform with clamps for 6 x 1000 ml flasks ml</p> 	-	●



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.