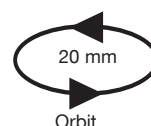


ES-80 Shaker-incubator

ES-80 shaker-incubator

Stable and reliable with programmable time, temperature and shaking speed. This orbital shaker-incubator is ideal 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 250rpm
- Temperature setting range: +25°C to 80°C
- Load up to 8kg
- Interchangeable platforms for shaking/incubating different vessels



ES-80 shaking incubator with P9-500 platform shown (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 - preserves the environment.

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

'Soft start' and stop protects samples.

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



* supplied without platform, please order separately

Applications:

- Life-sciences - cultivation of micro-organisms, cells and eukaryotic cells including animal, plant and insect cells, long-term cell growth projects, more vigorous shaking possible allowing other sample preparation processes including tissue sample extraction at physiological temperatures and up to 80°C, solubility studies, cell culture, staining/destaining, extraction procedures, gel washing, plasmid purification, bacterial suspension, hybridisation, protein expression in bacteria

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Orbital shaker-incubators » Technical specifications and accessories

Orbital shaking incubators – Technical specifications

• = optional

		ES-20	ES-80
		 <p>h: 435mm d: 340mm w: 340mm weight: 13.2kg</p>	 <p>h: 510mm d: 525mm w: 590mm weight: 41.1kg</p>
Speed range	rpm	50 to 250	
Stability	±°C	0.5	
Orbit	mm	10	20
Temperature setting range	°C	+25 to 42	+25 to 80
Temperature setting resolution	°C	0.1	0.1
Continuous operation		30 days (720 hours)	30 days (720 hours)
Timer		1 min to 96 hours	
Load capacity	kg	2.5	8
Internal working dimensions (with installed platform) (d x w x h)	mm	260 x 300 x 250	450 x 390 x 300
Display		2 line, 16 character LCD	2 line, 16 character LCD
Nominal operating voltage	V	120 or 230 (50/60Hz)	230 (50-60Hz)
Power consumption	W	160 (0.7A)/170 (1.6A)	450 (2A)

Accessories

P12-100 Platform with clamps for 12 x 100-150ml flasks/beakers Dimensions: 250 x 190mm		•	–
PP4 Flat platform with non-slip rubber mat for Petri dishes and culture flasks Dimensions: 219 x 219mm		•	–
P6-250 Platform with clamps for 6 x 250-300ml flasks/beakers Dimensions: 250 x 190mm		•	–
PUP-12 Universal platform, with adjustable bars. Dimensions: 270 x 195mm HB-200 extra holding bars		•	–
P16-88 Platform with spring holders for up to 88 tubes, 30mm diameter		•	–
PP-400 Flat platform with non-slip rubber mat (360 x 400mm)		–	•
P30-100 Platform with clamps for 30 x 100-150ml flasks		–	•
P16-250 Platform with clamps for 16 x 250-300ml flasks		–	•
P9-500 Platform with clamps for 9 x 500ml flasks		–	•
P6-1000 Platform with clamps for 6 x 1000ml flasks		–	•

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