

# Incubators

## Incubator with orbital shaker, SI500

- Combined incubator shaker
- Digital display for temperature and speed
- Integrated timer
- Unique retractable platform for easy loading and unloading
- Angle adjustable accessory tube racks, with patent pending Magnalock coupling system available
- Communications enabled for external temperature measurement

This combined shaker and incubator is ideal for scientists doing cell culturing procedures, especially suspension culture applications. It is compact enough to be positioned on the laboratory bench.

The shaker provides an orbital shaking motion, adjustable between 30 to 300rpm with a gentle start action. The shaking speed is microprocessor controlled and set via the digital LED control panel. The incubator also incorporates a versatile digital timer which can be set from 1 second to 9 days. After the timer has counted down the shaking action will stop and an alert will sound, as a safety feature the incubator will continue to run.

The incubator features smoked acrylic windows in the door and to both sides to allow easy visibility of the samples. The incubator temperature is set via a separate bright LED display, encoder control ensures that the temperature can be quickly set between ambient temperature +5°C and 60°C. Forced air circulation ensures uniform heating of the load.

The SI500 platform has a versatile clamping system which secures most sizes and mixtures of flask up to 1 litre capacity. Typically, the platform will accommodate the following Erlenmeyer flasks: 12 x 250 ml, or 9 x 500 ml or 6 x 1000 ml.

The incubator features smoked acrylic windows in the door and to both sides to allow easy visibility of the samples.

The unit features a retractable platform. Under normal use the platform is locked in place but whilst accessing your samples the platform can be drawn forward out of the chamber to allow easiest access to samples at the back of the incubator.

The SI500 also features a USB connection and dedicated software to enable long term monitoring of the incubator temperature, i.e. over weekends.

A wide range of stainless steel accessory racks are available to hold 1.5ml, 15ml, 30ml and 50ml sample tubes, the angle of the tubes can be adjusted up to 30°. Accessory racks are held to the orbiting platform by a patent pending Magnalock system, allowing quick coupling and de-coupling without tools.



SI500



SI500/2

SI500/3

SI500/1

## Technical Specification



SI500

### SI500

Temperature range	Ambient + 5°C to 60°C
Temperature display resolution	0.1°C
Temperature precision	± 0.5°C
Temperature fluctuation	± 0.5°C
Temperature variation	<0.5°C
Speed range	30 to 300rpm
Orbit diameter, mm	16
Platform size, mm	335 x 335
Internal dimensions, mm (w x d x h)	422 x 408 x 297
Maximum vessel height, mm	250
Maximum load, kg	10
Overall dimensions, mm (w x d x h)	450 x 474 x 522
Net weight, kg	30
Heater power, W	250
Electrical supply	230V, 50Hz, 300W
IP Rating	31

## Ordering Information

Model	Description
SI500	Incubator, orbital shaker
SI500/1	Tube rack, 1.5ml x 64 microtubes
SI500/2	Tube rack, 15ml x 25 centrifuge tubes
SI500/3	Tube rack, 50ml x 12 centrifuge tubes
SI500/4	Tube rack, 16 x 30ml Universal containers



SI500

