

SI500 and SI600

Incubators with orbital shaker



These combined shaker and incubators are ideal for scientists doing cell culturing procedures, especially suspension culture applications. Both units are 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.



SI600 and SI500

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

Both Incubators have a versatile clamping system which secures most sizes and mixtures of flask up to 1 litre on the SI500 and 2 litre on the SI600. Typically, the SI500 platform will accommodate the following Erlenmeyer flasks: 12 x 250 ml, or 9 x 500 ml or 6 x 1000 ml while the SI600 can accommodate the following: 6 x 2000ml, 9 x 1000ml or 15 x 500ml.



Incubator Accessories

Key Features

- Combined incubator shakers
- 51 or 115 Litre capacity available
- Digital display for temperature and speed
- Integrated timer
- Unique retractable platform for easy loading and unloading
- Angle adjustable accessory tube racks, with Magnalock coupling system available
- Communications enabled for external temperature measurement

SI500 and SI600

Incubators with orbital shaker



The units both feature 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 SI Incubators also features a USB connection with 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 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 Magnalock system, allowing quick coupling and de-coupling without tools.

IQ/OQ Documentation

Both incubators are also available with comprehensive IQ/OQ documentation. Please ensure that you use these are ordered with the unit by using the IQ/OQ codes.

Technical Specification

	SI500	SI600
Temperature range	Ambient +5 - 60°C	Ambient +5 - 60°C
Temperature display resolution	0.1°C	0.1°C
Temperature precision	± 0.5°C	± 0.5°C
Temperature fluctuation	± 0.5°C	± 0.5°C
Temperature variation	<0.5°C	<0.5°C
Speed range, rpm	30 to 300 rpm	30 to 300 rpm
Orbit diameter, mm	16	16
Platform size, mm	335 x 335	526 x 390
Capacity, L	51	115
Internal dimensions (w x d x h), mm	422 x 408 x 297	623 x 465 x 395
Maximum vessel height, mm	250	300
Maximum load, kg	10	10
Overall dimensions (w x d x h),mm	450 x 474 x 522	675 x 542 x 642
Net weight, kg	30	55
Heater power	250W	400W
Electrical supply	230V, 50Hz, 300W	230V, 50Hz, 450W

Ordering Information

Model	Description
SI500	Incubator, orbital shaker
SI600	Incubator, orbital shaker, large
SI500/IQOQ	Incubator, orbital shaker with IQ/OQ documentation
SI600/IQOQ	Incubator, orbital shaker, large with IQ/OQ documentation
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 plastic containers



SI500 Control Panel