

# SI505



## Microtitre Shaking Incubator,

The SI505 has been designed specifically to combine a bench top laboratory incubator with the specific mixing action required for microtitre plates.

Shaking action is ideal for mixing microtitre plates, combining a high speed action between 250 and 1250rpm with a tight orbit of 1.5mm. This enables even the smallest of vessels to adequately mixed, be it well plates or microtubes. The SI505 has independent control of speed and temperature to avoid accidental temperature adjustment. Speed is microprocessor controller and set via the digital LED control panel. The unit also incorporates a versatile timer, which can be set from 1 second to 9 days, once the timer has run down, an alarm will sound and the shaking action will cease, for safety reasons the incubator will continue to run.

The temperature of the incubator can be set, via the digital LED control panel, between ambient temperature +7°C and 60°C. Careful control of the air distribution within the incubator ensures temperature uniformity throughout the sample chamber. To minimise sample evaporation the SI505 is supplied with stainless steel water trays, these are strategically placed within the unit to maintain a humidity of up to 80%, thus dramatically reducing sample evaporation over a 24 hour period.

The SI505's stainless steel platform is retractable, this allows easier access to samples at the back of the incubator. During operation the platform is securely locked in place, but can be easily released when required. The platform will comfortably and securely accommodate up to four microtitre plates on the non slip mat. Or sample tube racks are available which will accommodate all common tube sizes.

The SI505 also features a USB connection which allows the incubator to be connected to a PC for long term monitoring of the incubator temperature, over night of weekends for example.

## Key Features

- Ideal shaking action for microtitre plates
- Combined Incubator shaker
- Optimised performance to minimise sample evaporation
- Digital display for temperature and speed
- Integrated timer
- Retractable platform for easy loading and unloading



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### Technical Specification



Temperature range	Ambient + 7°C to 60°C
Samples	4 x Microtitre plate or 2 x microtube racks
Temperature display resolution	0.1°C
Temperature fluctuation	± 0.5°C at 37°C
Temperature variation	<0.6°C at 37°C
Temperature precision	± 0.5°C at 37°C
Speed range	250 to 1250rpm
Speed control	Digital set in 10rpm increments
Timer	min/sec, hour/min, days/hours
Orbit diameter, mm	1.5
Platform size, mm	220 x 220
Relative humidity	~80% (using water trays)
Internal dimensions, mm (w x d x h)	307 x 300 x 190
Maximum load, kg	1
Overall dimensions, mm (w x d x h)	361 x 405 x 430
Net weight, kg	22.5
Heater power, W	200W
Electrical supply	230V, 50Hz, 250W
IP Rating	31

### Ordering Information

Model	Description
SI505	Microtitre plate shaker incubator
SSM5/1	Tube holder for 1.5ml tubes
SSM5/2	Tube holder for 0.5ml tubes
SSM5/3	Tube holder for 0.2ml tubes

