

Orbital lab shakers

Thermo Scientific IntelliStack Incubator Shakers and CO₂ Incubator Shakers

Stack, Set. Shake

Count on Thermo ScientificTM IntelliStackTM Incubator Shakers and CO₂ Incubator Shakers to provide accurate, adjustable and reproducible growth conditions for your mammalian, bacterial and yeast cell culture and other applications. Whether you need one unit or multiple, you can customize your setup according to your workflow requirements and processing volume as your needs evolve. See for yourself how this fully integrated shaking solution with touchscreen environmental control features stacks up.

Experience next-level shaking versatility and control

Intuitive touchscreen display

- Large, easy-to-use 10 in. color touchscreen interface
- Real-time monitoring of key parameters

Enhanced sample security

- User access control to allow only authorized individuals to make changes to critical parameters
- Data, alarm, and event logging with export via USB or ethernet

Large capacity

- Inner chamber (39.6 x 27.2 x13.7 in.) capable of shaking up to 18 of the 5 L flasks when 3 units are stacked
- Stack up to three IntelliStack Incubator Shakers using supplied components

Easy-to-use design

- Interior bidirectional LED lighting for easy viewing of samples without opening the door
- Easy to clean rounded corners

Efficient and quiet operation

- Designed to keep the noise level below 60 dB
- All units include hydrocarbon refrigerant with low energy consumption

Product specifications

Parameter	Specifications	
Speed range 25 mm orbit	30 to 350 rpm	
Speed range 50 mm orbit	30 to 300 rpm	
Speed accuracy	1 rpm	
Temperature range	4-60°C	
Temperature accuracy	0.1°C	
Temperature uniformity at 37°C	±0.3°C	
Temperature recovery time at 37°C	≤6 min	
CO ₂ Control range	0 to 20%*	
CO ₂ Sensor	IR*	
CO ₂ Display accuracy	0.10%*	
CO ₂ Control accuracy	±0.2%*	
CO ₂ Recovery time	≤6 min	
Humidity range	Ambient to 90% RH	
Platform dimensions	900 x 560 mm; 35.4 x 22.0 in.	
Max load	20 kg	
Noise Level	≤60 dB	
Internal dimensions (W x D x H)	1005 x 690 x 347 mm; 39.6 x 27.2 x 13.7 in.	
External dimensions (W x D x H)	1400 x 886 x 680 mm; 55.1 x 34.9 x 26.8 in.	
Net weight	270 kg; 595.2 lb.	

^{*}CO2 control features only available on Thermo Scientific IntelliStack Incubator Shaker

Ordering tables

IntelliStack Incubator Shaker specifications

Orbit (mm)	Voltage	Swing door direction	Catalog No.
25	120V, 50/60 Hz	Downswing door	24A00J551
25	120V, 50/60 Hz	Upswing door	24A00J552
25	220V, 50/60 Hz	Downswing door	24A00J555
25	220V, 50/60 Hz	Upswing door	24A00J556
50	120V, 50/60 Hz	Downswing door	24A00J553
50	120V, 50/60 Hz	Upswing door	24A00J554
50	220V, 50/60 Hz	Downswing door	24A00J557
50	220V, 50/60 Hz	Upswing door	24A00J558

IntelliStack CO₂ Incubator Shaker specifications

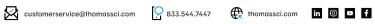
Orbit (mm)	Voltage	Swing door direction	Catalog No.
25	120V, 50/60 Hz	Downswing door	24A00J543
25	120V, 50/60 Hz	Upswing door	24A00J544
25	220V, 50/60 Hz	Downswing door	24A00J547
25	220V, 50/60 Hz	Upswing door	24A00J548
50	120V, 50/60 Hz	Downswing door	24A00J545
50	120V, 50/60 Hz	Upswing door	24A00J546
50	220V, 50/60 Hz	Downswing door	24A00J549
50	220V, 50/60 Hz	Upswing door	24A00J550

For Laboratory Use. It is the customer's responsibility to ensure that the performance of the product is suitable for customers' specific uses or applications.

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