



Benchtop Series Incubator Shaker

High-temperature performance, automated operation, and precise control! The Benchtop Incubator Shakers from the Cominus benchtop Series are complete. These adaptable devices offer "set it and forget it" programming, which automatically modifies working circumstances.

Benchtop CM-BS-IS-18 and refrigerated CM-BS-IS-18R handle flasks up to 3 Liters and feature a see-through lid for easy visibility. Interchangeable platforms, sized 18" x 18" (46 x 46 cm), and choice of 3/4" (1.9 cm) or 1" (2.54 cm) orbits are offered.

Features

- Expanded Temperature Range
 - CM-BS-IS-18 : 5°C above ambient to 60°C.
 - CM-BS-IS-18R: 15°C below ambient to 60°C, min. 4°C.
- Agitation: 50 - 300 rpm, ± 1 rpm.
- Crystal Clear Lid Provides Excellent Visibility
- Accurate and Uniform Temperature Control: $\pm 0.1^\circ\text{C}$ with uniformity of $\pm 0.25^\circ\text{C}$ at 37°C



Accessories



Universal Tray



Lotus Clamp



Technical Specifications

Specifications		CM-BS-IS-18	CM-BS-IS-18R
Temperature	Range	Ambient +5°C to 60°C	Ambient -15°C to 80°C. Min. setpoint 4°C
	Accuracy & Control	± 0.1°C at 37°C with a nominal uniformity of ± 0.25°C	
	Refrigeration	CM-BS-IS-18R only. Hermetically-sealed compressor uses CFC-free refrigerant	
	Heaters	Low watt-density, resistance heaters with high-temperature safety thermostat cut-out	
Shaking	Range	25 - 500 rpm with 3/4" (1.9 cm) or 1" (2.54 cm) orbit	
	Drive Mechanism	Triple-eccentric counterbalanced drive in cast iron housing with 9 permanently lubricated ball bearings. Driven by solid-state brushless DC motor	
Control Parameter		Speed and temperature continuous	
		Shaker can be set to run from 0.1 to 99.9 hours	
		parameter changes to temperature and speed	
Safety	Mechanical and electronic	Acceleration circuit prevents sudden starts and stops.	
Setpoint Retention	Setpoints and operating status retained by non-volatile memory. Automatic restart after power is restored (indicated by flashing display)		
Dimensions	Platform	18" Wide x 18" Deep (46 x 46 cm)	
Ambient Conditions	10°C to 35°C. 20 to 80% RH (non-condensing)		
Warranty	Comprehensive warranty – One Year		

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