CRYSTAL

Top-Hinge Incubator Shaker IS-RDD3A/IS-RSD3A

Suitable for small scale experiments

2-Year Replacement Warranty

CRYSTAL IS-RDD3A/IS-RSD3A BENCHTOP INCUBATOR SHAKERS

Crystal's versatile benchtop incubator shakers with optional refrigeration (IS-RDD3A has built in refrigeration module with auto-defrost) are designed to provide an optimal environment to safely shake flasks, tube racks and microplates. These incubators are quiet, easy to operate and convenient to load. Incubator Shakers are ideal for cell culture, solubility studies, extraction procedures, protein expression, and many other applications.

PRODUCT FEATURES:

- Easy to use LCD user interface
- Precise Proportional-Integral-Derivative temperature control resulting in ±0.1°C accuracy
- Highly efficient inverted compressor refrigeration system allows for temperatures as low as 15°C below room temperature or 4°C with low energy consumption (IS-RDD3A only)
- Clear curved tempered glass window for viewing samples without disturbing chamber temperature
- Terminal feedback system ensures precise shaking speed
- Designed to reduce noise for quiet operation
- Max capacity is 8 x 1L flasks
- Timer 0~999 hours
- Audible and visual alarms activate when abnormal parameters are detected
- Program mode allows user to set up to 6 segments of varying temperature and speed

CRYSTAL IS-RDD3A/IS-RSD3A BENCHTOP INCUBATOR SHAKERS

Specifications

Model	IS-RDD3A	IS-RSD3A
Product Name	Top-Hinge Incubator Shaker with Cooling	Top-Hinge Incubator Shaker
Temp. Range	Ambient -15°C ~ 60°C (Minimum: 4°C)	Ambient +5°C ~ 60°C
Temp. Accuracy	0.1°C	
Temp. Uniformity	±0.5°C (@ 37°C)	
Ambient Relative Humidity	Ambient -10°C ~ 35°C, 20%-80% RH	
Speed Range	0 rpm, 30 rpm - 400 rpm	
Speed Accuracy	±1 rpm	
Orbit Diameter	Ø26mm	
Programmable Segments	6 Segments	
Timer	0 - 999 hrs	
Platform Size	450 × 400 mm (17.72 × 15.75 in)	
Number of Platforms	1	
Maximum Capacity	Clamp Capacity: 42×50mL / 25×100mL / 24×150mL / 20×200mL / 20×250mL / 12×500mL / 8×1000mL / 4×2000mL Sticky Mat: 56×50mL / 42×100mL / 30×150mL / 30×200mL / 24×250mL / 20×300mL / 14×500mL / 9×1000mL / 4×2000mL	
Power	<700W	<550W
Power Supply	AC 110V / 60Hz	
Outer Dimensions WxD×H	712 × 687 × 628 mm (28.03 × 27.05 × 24.72 in)	
Inner Dimensions WxD×H	500 x 460 × 350 mm (19.67 x 18.11×13.78 in)	
Net Weight	242 lb (110 kg)	220 lb (100 kg)

CRYSTAL IS-RDD3A/IS-RSD3A BENCHTOP INCUBATOR SHAKERS

Accessories

Flask Clamps

Sticky Pad

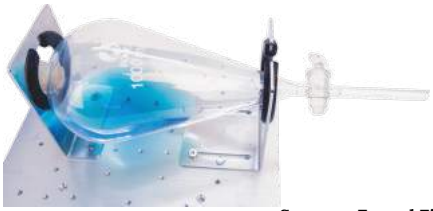
Tube Racks

Adjustable Tube Racks

Mini Universal Spring Platform

Mini Universal Spring Platform

Infusion Bottle Clamp



Separate Funnel Fixture

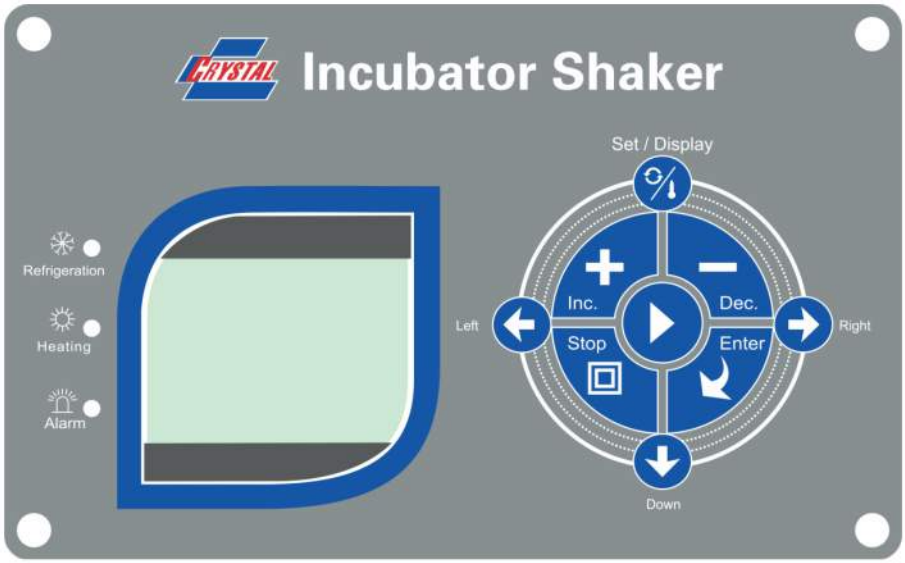
CRYSTAL IS-RDD3A/IS-RSD3A BENCHTOP INCUBATOR SHAKERS

Accessories Specifications

Item Number	Item Type	Specifications	Max Capacity
IS-A1	Flask Clamp	50 mL	42
IS-A2		100 mL	25
IS-A3		150 mL	24
IS-A4		200 mL	20
IS-A5		250 mL	20
IS-A6		500 mL	12
IS-A7		1000 mL	8
IS-A8		2000 mL	4
IS-A47	Sticky Mat	140 x 140mm (5.51 x 5.51 in)	9
IS-A11	Tube Rack	Holds 40 Tubes x ø14mm	4
IS-A12		Holds 40 Tubes x ø16mm	4
IS-A23		Holds 40 Tubes x ø18mm	4
IS-A24		Holds 27 Tubes x ø22mm	4
IS-A20	Adjustable Angle Tube Rack	Holds 40 Tubes x ø14mm	4
IS-A21		Holds 40 Tubes x ø16mm	4
IS-A30		Holds 40 Tubes x ø18mm	4
IS-A31		Holds 27 Tubes x ø22mm	4
IS-A32		Holds 21 Tubes x ø30mm	4
IS-A37		Holds 24 Tubes x ø30mm	4
IS-A19	Spring Frame	LxWxH: 165 x 165 x 80mm	4
IS-A27		LxWxH: 350 x 240 x80mm	2
IS-A33	Infusion Bottle Clamp	Holds 500 mL Infusion Bottle	9
IS-A34		Holds 1000 mL Infusion Bottle	8
IS-A13	Microplate Holder	96-Well Microplate Holder	9
IS-A35	Fixture holds Separating Funnel	Holds Separating Funnels of ≥500mL	4

CRYSTAL IS-RDD3A/IS-RSD3A BENCHTOP INCUBATOR SHAKERS

Crystal's versatile Benchtop incubator shakers feature an easy to use keypad to Set and Change parameters, as well as Stop and Run the units. In addition, indicators let users know at a glance when the Refrigeration or Heating functions are operating. Alarm conditions are also clearly indicated on the keypad.



- Settings
- Move Cursor Right
- Move Cursor Left
- Move Cursor Down
- Plus Setting Value
- Minus Setting Value
- Confirm Setting
- Run
- Stop

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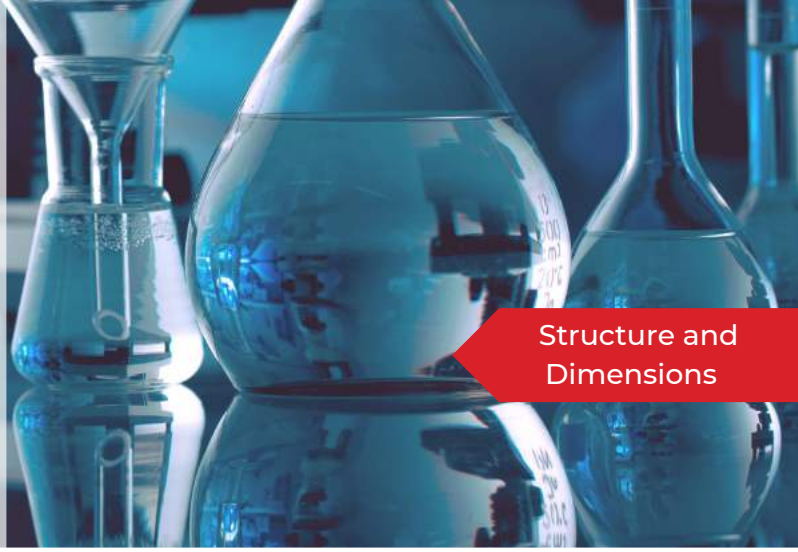

Structure and Dimensions