

IS-RDD3A/IS-RSD3A TOP-HINGE 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 shake flasks, tube racks, and microplates safely. 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 $\pm 0.1^{\circ}\text{C}$ 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

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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) | |
| 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 | |
| Working Chamber Height | 310mm (12.2in) | |
| 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) |
| Certification | CE, UL, cUL | |

For over 25 years Crystal Technology and Industries has been driven to deliver exceptional value to the scientific marketplace by developing innovative equipment and Cryo Storage Solutions for today's scientist.