# Incubator Shaker LS-1150D, 220V/50Hz



The Iris Incubator Shaker LS-1150D is suitable for cell culturing, cell aeration, and solubility studies. In addition to offering stable temperature conditions, the Iris incubator shakers use an orbital agitation at variable speeds to affect the growth of cell cultures.

The LS-1150D incubator shaker is suitable for applications in modern laboratories, research centres and production facilities. It offers a large shaking capacity with a small footprint and also many features allowing straightforward, safe handling of product.

- Inside material is SUS304 and outside body is powder painting
- Install light to view inside clearly
- The compressor will be delayed to start working if power cut and with timer for defrost. Using environmental protection cold-media R134a.
- With safety switch to stop shaking when opening door
- Three-point bearing transmission is adopted suitable for heavy loads and continuous duty.
- Transparent glass observation window.
- Uses brushless AC motor for long durability and stable performance of the shaking system.
- Overheat and over low protector, built-in circulating fan for temperature stability.

## Technical Specification:

| | |
|---|---|
| Model | LS-1150D |
| Display and Control | LED Digital Display / On-Touch Control |
| Vibration Style | Orbital |
| Platform Size (mm) | 480 x 380 mm |
| Capacity (liters) | 150 |
| Temperature Range (℃) | Ambient +5℃ ~ 70°C |
| Temperature Accuracy (℃) | ±0.1℃ (38℃) |
| Temperature Stability (℃) | ±1℃ (at 38℃) |
| Temperature Uniformity (℃) | ±1℃ (at 38℃) |
| Temperature Fluctuation □℃□ | ±1℃ (at 38℃) |
| Temperature Setting | Digital |
| Temperature Controller | Touch Control; Digital Display with PID automatic regulation |
| Temperature Display | Digital |
| Shaker Controller | Microprocessor Digital LED |
| Shaker Power Unit | Brushless motor |
| Shaking Methods | Orbital |
| Shaking Throw (mm) | 25mm |
| Shaking Width (mm) | 25mm |
| Speed Accuracy (rpm) | ±1rpm (at 150rpm) |
| Speed Fluctuation (rpm) | ±1rpm (at 150rpm) |
| Speed Setting | Digital |
| Speed Controller | Microprocessor Controlled Digital |
| Speed Display | Digital |
| Shaking Plate | 480 x 380 mm |
| Inside Dimension (WxDxH) mm | 600 x 500 x 500 mm |
| Timer | 999 h / 999 min / 999 sec |
| Heater | 900W |
| External Dimensions (WxDxH) mm | 680 x 690 x 860 mm |
| Net Weight (kg) | 90kg |
| Electrical Requirements | 220V/50Hz |
| Catalogue No. | 5403015-2 |
| Platform | Double Platform |

# Technical Data:

| Model | LS-1150 | | LS-1150R | | LS-1150D | | LS-1150DR | |
|---|---|---|---|---|---|---|---|---|
| Platfrom | Single | | | | Double | | | |
| Temperature Range (?) | Ambient+5C~0? | | 0?~70? | | Ambient+5C~70? | | 0?~70? | |
| Temperature Accuracy (?) | ±0.1? | | | | | | | |
| Temperature Control | PID temperaturecontrol | | | | | | | |
| Temperature Display | LED digitaldisplay | | | | | | | |
| Shaking Speed | 20~300 r.p.m | | | | 20~150 r.p.m | | | |
| Shaking Width (mm) | 25mm | | | | | | | |
| Timer | 999 h / 999 min / 999 sec | | | | | | | |
| Heater | 900 W | | | | | | | |
| Volume (liters) | 150 L | | | | 150 L | | | |
| Shelf | 1(Adjustable) | | | | N/A | | | |
| Refrigerator | N/A | | 1/4 HP | | N/A | | 1/4 HP | |
| Shaking Plate (mm) | 480 x 380 mm | | | | | | | |
| Inside Dimension (WxDxH) mm | 600 x 500 x 500 mm | | | | | | | |
| Outside Dimension (WxDxH) mm | 680 x 690 x 860 mm | | | | | | | |
| Weight (kg) | 85kg | | 98kg | | 90kg | | 100kg | |
| Net Weight (kg) | 85kg | | 98kg | | 90kg | | 100kg | |
| Gross Weight (kg) | | | | | | | | |
| Shipping Weight (kg) | | | | | | | | |
| Shipping Dimensions (WxDxH) mm | | | | | | | | |
| Electrical Requirements | 110V/60Hz | 220V/50Hz | 110V/60Hz | 220V/50Hz | 110V/60Hz | 220V/50Hz | 110V/60Hz | 220V/50Hz |
| Catalogue No. | 54030051 | 54030052 | 54030101 | 54030102 | 54030151 | 54030152 | 54030201 | 54030202 |

# Accessories:

| Model | Image | Name | Details |
|---|---|---|---|
| 54010A01 |  | Stainless steel clamp for 50ml Erlenmeyer flask | |
| 54010A02 |  | Stainless steel clamp for 125ml Erlenmeyer flask | |
| 54010A03 |  | Stainless steel clamp for 250ml Erlenmeyer flask | |
| 54010A04 |  | Stainless steel clamp for 500ml Erlenmeyer flask | |
| 54010A05 |  | Stainless steel clamp for 1000ml Erlenmeyer flask | |
| 54010A06 |  | Stainless steel clamp for 2000ml Erlenmeyer flask | |

| Model | Image | Name | Details |
|---|---|---|---|
| 54010A07 |  | Stainless steel clamp for 3000ml Erlenmeyer flask | |
| 54010A08 |  | Stainless steel clamp for 4000ml Erlenmeyer flask | |
| 54010A09 |  | Stainless steel clamp for 5000ml Erlenmeyer flask | |
| 54012A01 |  | Shaker Platform with clamps 280x230mm | |
| 54012A04 |  | Shaker Platform with clamps 380x280mm | |
| 54012A05 |  | Shaker Platform with clamps 380x280mm | |
| 54013A01 |  | Test Tube Rack 210mm x 90mm | |
| 54013A02 |  | Test Tube Rack 340mm x 90mm with holes ∅ 16mm | |
| 54014A01 |  | Non-Slip Mat | |
| 54014A02 |  | Non-Slip Mat for 96 well plate | |




# Iris Analytical Ltd.

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