DATASHEET · LABORATORY INCUBATORS

# Humidity-Controlled Climate Incubator, 248 to 402 L.

**SKU** CS-GEN-00034 **Spec** v1 **Rev.** 2026-11-19





VERIFIED

Spec v1 · 2026-11-19

## PRODUCT SPECIFICATIONS

FROM PUBLISHED PRODUCT DATA

| | | | |
|---|---|---|---|
| PRODUCT TYPE | variable | CONFIGURATION | 248 L 6000 lux 110 V, 248 L 6000 lux 220 V, 248 L 12000 lux 110 V, 248 L 12000 lux 220 V, 290 L 6000 lux 110 V, 290 L 6000 lux 220 V, 290 L 12000 lux 110 V, 290 L 12000 lux 220 V, 300 L 20000 lux, 402 L 6000 lux 110 V, 402 L 6000 lux 220 V, 402 L 12000 lux 110 V, 402 L 12000 lux 220 V |
| CAPACITY | 248 L, 290 L, 300 L, 402 L | TEMPERATURE RANGE | With light: 10 to 50 °C, Without light: 5 to 50 °C, 300 L without light: 4 to 50 °C |
| HUMIDITY RANGE | With light: 50 to 80% RH at 18 to 45 °C, Without light: 50 to 90% RH at 15 to 45 °C, 300 L: 50 to 90% RH | LIGHT INTENSITY | 6000 lux options: 0 to 6000 lux in 6 steps, 12000 lux options: 0 to 12000 lux in 5 steps, 300 L 20000 lux: 0 to 20000 lux in 6 steps |
| TEMPERATURE FLUCTUATION | 248 L and 290 L and 402 L: ±0.5 °C, 300 L: ±1 °C | HUMIDITY FLUCTUATION | 248 L and 290 L and 402 L: ±3% RH, 300 L: ±5 to 7% RH |
| TEMPERATURE UNIFORMITY | ±2 °C | TEMPERATURE PRECISION | 0.1 °C |
| HUMIDITY CONTROL ACCURACY | ±1% RH | TEMPERATURE SENSOR | PT100 |

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## PRODUCT SPECIFICATIONS, CONTINUED

FROM PUBLISHED PRODUCT DATA

| | | | |
|---|---|---|---|
| CONTROL | Microprocessor PID control | DISPLAY | 6000 lux options: LED display, 12000 lux and 20000 lux options: LCD display |
| TIMER | 0 to 99 min or h | SHELVES | 3 |
| DOOR SEAL | Magnetic | REFRIGERANT | CFC-free |
| POWER CONSUMPTION | 248 L: 2400 W, 290 L: 2900 W, 300 L: 1500 W, 402 L: 3400 W | POWER SUPPLY | 220 V options: 220 V AC at 50/60 Hz, 110 V options: 110 V AC at 50/60 Hz through an external transformer, 300 L 20000 lux: 220 V AC at 50 Hz as standard; 110 V at 50 or 60 Hz or 220 V at 60 Hz to order |
| WORKING ENVIRONMENT | 5 to 30 °C | INTERNAL SIZE (W × D × H) | 248 L: 470 × 449 × 1178 mm, 290 L: 490 × 464 × 1278 mm, 300 L: 520 × 550 × 1140 mm, 402 L: 560 × 600 × 1198 mm |
| EXTERNAL SIZE (W × D × H) | 248 L: 672 × 892 × 1825 mm, 290 L: 691 × 907 × 1925 mm, 300 L: 830 × 850 × 1850 mm, 402 L: 764 × 1032 × 1860 mm | PACKAGE SIZE (W × D × H) | 248 L: 750 × 960 × 1960 mm, 290 L: 770 × 970 × 2090 mm, 300 L: 890 × 900 × 2060 mm, 402 L: 850 × 1100 × 2010 mm |
| GROSS WEIGHT | 248 L 6000 lux: 185 kg, 248 L 12000 lux: 187 kg, 290 L 6000 lux: 195 kg, 290 L 12000 lux: 197 kg, 300 L: 300 kg, 402 L: 230 kg | OPTIONAL ACCESSORIES | 248 L and 290 L and 402 L: RS485 port; RS485 to USB adapter; thermal printer; external over-temperature protection; SMS temperature alarm module, 300 L: USB drive or RS485/232 port or printer (one of the three); CO2 controller and CO2 gas inlet; light intensity monitoring and control; 30 programmable timer segments |
| BRAND | ConductScience | RESEARCH DOMAIN | Agricultural Research, Microbiology |

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## PRODUCT SPECIFICATIONS, CONTINUED

FROM PUBLISHED PRODUCT DATA

| | |
|---|---|
| AVAILABILITY | In stock |

**CONTINUOUSLY VERIFIED · SPEC V1**

Specifications verified against current published product data. **Verified 2026-11-19 · Since 2026-11-19.**

**Cite:** ConductScience CS-GEN-00034, Spec v1, 2026-11-19. conductscience.com/lab/humidity-controlled-climate-incubator