



SCO6AD-2

SCO6AD-2, High Heat Auto Decontamination CO2 Incubator

Ideal for Clinical, Analytical, & General Laboratory Applications:

The SCO6AD-2 unit provides an optimized culturing environment with passive humidification, highly stable CO2 levels, and tight temperature uniformity to safeguard your cell sample populations.

Features and Benefits: Copper gas plumbing, a high-heat auto decontamination cycle, & a glass viewing door gives the SCO6AD-2 enhanced protection against microbiological contamination.

+ Infrared (IR) sensor for quick recovery of CO2 levels after door openings. This sensor does not need to be removed during the high-heat decontamination cycle.

+ USB data logging capabilities.

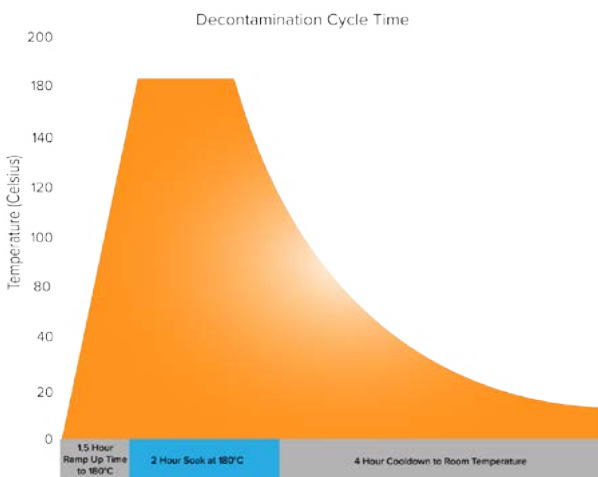
1. Advanced PID temperature control system for sensitive response.
 2. Independent over temperature set point & operational control override for additional safety.
 3. Side-mounted access port, 1.5" inner diameter (3.81cm) for independent cables, sensors, and instrumentation.
 4. Stainless steel interior construction for long life operation, easy cleaning.
 5. Heated Copper CO2 inlet to promote temperature uniformity and reduce the risks of contamination and condensation.
 6. Autoclavable shelving system.
 7. Auto decontamination cycle designed to stop microbial contamination caused by mycetozoa, yeast, viruses, bacteria, and a variety of other microorganisms.
 8. Heated door to ensure superior temperature uniformity.
 9. Sealed inner glass door allows for viewing without disturbing the critical growth atmosphere and allows for improved gas utilization and condensate reduction.
 10. Unique air jacketed design provides excellent temperature uniformity of $\pm 0.25^{\circ}\text{C}$ at 37°C .
- + Safety certified CAN/CSA, UL, EN, IEC 61010, and compliant with CE.

Applications:

- Cell Culture • Tissue Culture • Food Analysis
- Stem Cells • Microbiology • Plant Cell Culture.

Contamination Control:

Extensive use of copper in the CO2 sample port, humidity reservoir, and heated CO2 feed line adds reassurance that foreign microbes will not affect test results. Cleanup is a breeze with the all stainless steel chamber, coved corners, and autoclavable door gasket. Optional copper shelves are available for additional contamination control.



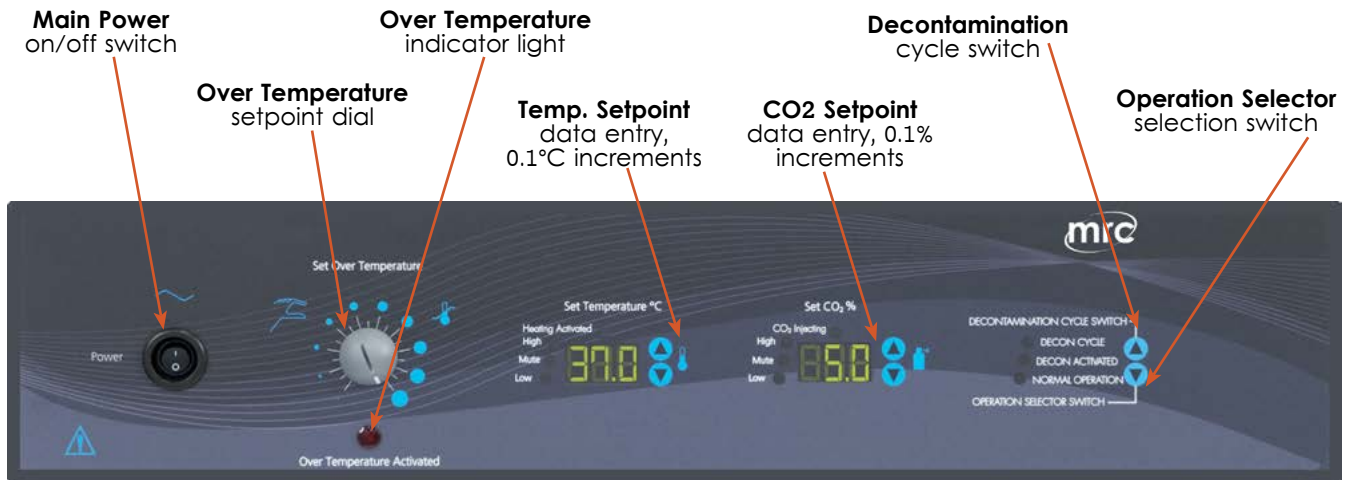
Control, Feedback, and Monitoring:

The advanced PID (proportional, integral, derivative) controller commands proportional power to the heating elements and CO2 injection frequency to provide the most accurate and responsive control. Each controller is matched to the incubator chamber volume to assure faster response to setpoint without overshoot, and quicker recovery following door openings. Indicator lights are included for visual status feedback on critical functions.



Integrated Control Panel:

All controls are centrally located on the main panel including manual power, independent over temperature control, digital temperature/CO₂ adjustments, and indicator lights for all functions.



Model	SCO6AD-2
Unit Specification Chart	
Interior Volume, Nominal	167 liters
Interior Dimensions (W x H x D)	51.3 x 64.7 x 50.8cm
Exterior Dimensions (W x H x D)	72.4 x 100.3 x 78.2cm
Interior Construction	300 series stainless steel
Exterior Construction	20 gauge steel, powder coated
Shelves (See Accessories)*	3 standard, 8 total
Maximum Weight Per Shelf*	15.8kg
Permitted Total Load	47.6kg
Site Preparation and Installation Guides	
Wall Clearance, Sides	10.0cm
Wall Clearance, Roof	5.0cm
Access Port (Inner Diameter)	3.81cm
Unit Weight Empty	61.7kg
Shipping Weight	137kg
Electrical, 50/60Hz, AC, 1Ø	
Voltage	220V-240V
Full Load Amps	6.0
Nominal Power (watts @37°C)	110
Recommended Breaker, Amps	15
Power Cord Supplied	EU1-16P
CO ₂ Range	1-20%
Recovery CO ₂ at 5%*	< 5min.
Sensor Type	Infrared
Temperature Uniformity	
At 37°C	± 0.25°C
Humidity Range Passive (Ambient 95%)	+
Temperature Range Recovery 37°C**	
Recovery to 37°C after 30 sec. Door Opening	6.0 min.

*Extra standard and reinforced shelves available. See Accessories

**To 98% of set value.

Options and Accessories:

- Shuttle Valve for Dual CO₂ Tanks
- 4-20 mA outputs for CO₂
- Locking Outer Door
- Tri-Glass Door
- Stacking Stand
- Caster Platform
- Copper Shelf Package: Includes 3 copper shelves, 6 copper shelf slides
- Extra Shelf, Copper, Max Weight 15.8kg
- Extra Slide, Copper, 2 Required Per Shelf
- Extra Stainless Steel Shelf and Slide Kit, Max. Weight 15.8kg
- Extra Shelf, Reinforced. Max. Weight 22.7kg
- Extra Standard, Stainless Steel, 2 Required Per Shelf
- Extra Slide, Stainless Steel, 2 Required Per Shelf.