

Technical Data Sheet

CO2 Incubator

Kendro Laboratory Products, Inc., Asheville, North Carolin

Specifications	Model Number
	RCO3000D-9A; RCO5000D-9A
	Application, Rating and Electrical Data
Application	General and CO2 Cellular Incubation
Storage Volume	5.8 ft ³ (164 L) PER CHAMBER, 2 chambers
Heat Distribution	Water Jacket
Temperature Rating	+5°C above Ambient to 60°C
Humidity	Passive, Up to 96% with in-chamber humidity pan
Gases	Automatic control, CO2 range 0% to 20%
Electrical Power	115 Volts Single Phase 60 Hz.
Rated Amps/Breaker	3.0 + 3.0 / 15A
Power Plug/Power Cord Length	TWO POWER CORDS, 5-15P / 10' & 13 ft (3 & 4m)
Sound Pressure Level (dBA)	N/A
Agency Listings	UL
Indoor/Outdoor Usage	Indoor Use Only
Application Environment	Non-Corrosive, Non-Flammable, Non-Explosive, Stable Air Ventilation, 59° F-90° F (15-32°C)
	Control Features
Controller Viewing Direction	Above & Below Eye Level, EasyView vacuum fluorescent display
Power Switch	Keyed Off-On-Alarm for each Chamber
Controller Type	Microprocessor-Based IntrlLogic™ Control for each Chamber
Setpoint Security	Standard
Programmable Setpoint	Standard
Temperature Control Sensors	Control RTD in Water Jacket with Display RTD in Chamber
Temperature Display	Standard, continuous for each Chamber
Gas Control Sensors	Thermoconductivity in 3000-Series; Inferred in 5000-Series
Gas Supply Tank Switcher	Standard for each Chamber
CO2 Concentration Display	Standard, continuous for each Chamber
Humidity Display	Standard, selectable for each Chamber
Data Logging	Standard, RS485 Protocol and IncuSoft Software - Additional Cable and Adapter required
Remote Alarm Terminals	Standard for each Chamber
Adjustable Warm/Cold Alarms	Standard for each Chamber
Adjustable Ambient Alarms	Standard for each Chamber
Adjustable Gas Alarms	Standard for each Chamber
Power Failure Alarm	Standard for each Chamber
Battery back-up for Alarm	Standard for each Chamber
	Biological Features
Corner Cleaning	Seamless Rounded Chamber Corners for each Chamber
Gas Supply Filter	Standard, consumable for each Chamber
Gas Sample Port	Standard in Center of Glass Door for each Chamber
In-Chamber HEPA Filter	Standard, consumable for each Chamber
	Dimensions and Construction
Interior Dimensions:	28.1"H x 17.9"F-B x 20"W (714mm x 455mm x 508mm) for each Chamber
Exterior Dimensions:	80.5"H x 25.5"F-B x 25.6"W (2045mm x 648mm x 650mm) for Total Cabinet
Insulation	2" (51mm) Fiberglass
Inner Door	Standard, Tempered for each Chamber
Porthole Access	Standard, 1.5" diameter (38mm) in rear wall for each Chamber
Heat	Electric
Shelves / Capacity	5 Adjustable Perforated Stainless Steel / Maximum 24; for each Chamber
Level Legs	Standard
Ship Weight	550 lbs. / 249 kg.
Operating Weight	720 lbs. / 327 kg.
Other Options	Reversible Door, Extra Shelves; Caster Doll
	Performance Characteristics
Gas:	Temperature: Sensitivity: +/- 0.1°C
Sensitivity: 0.1% CO2	Ambient: 25°C / 50% RH Stability: +/- 0.1°C
Stability: +/- 0.1% CO2	Load: Empty Uniformity: +/- 0.4°C
Range: 0 to 20% CO2	Sensor weighting: None Avg. heat rejection: 1800 Btu/hr
<p>1) Performance is nominal and individual units may vary.</p> <p>2) Incubator performance will differ due to product amount, product size and operating conditions.</p> <p>3) Continuous product enhancements may, without notice, result in amendments or omissions to this specification. Kendro Laboratory Products cannot accept responsibility for damage, injury, loss or expenses resulting from misapplication of the information herein.</p>	