

Technical Data Sheet

CO2 Incubator

Kendro Laboratory Products, Inc., Asheville, North Carolin

Specifications	Model Number
	RCO3000T-5A; RCO5000T-5A
	Application, Rating and Electrical Data
Application	General and CO2 Cellular Incubation
Storage Volume	5.8 ft ³ (164 L)
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 / 15A
Power Plug/Power Cord Length	5-15P / 10 ft (3m)
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	Below Eye Level, EasyView vacuum fluorescent display
Power Switch	Keyed Off-On-Alarm
Controller Type	Microprocessor-Based IntrLogic™ Control
Setpoint Security	Standard
Programmable Setpoint	Standard
Temperature Control Sensors	Control RTD in Water Jacket with Display RTD in Chamber
Temperature Display	Standard, continuous
Gas Control Sensors	Thermoconductivity in 3000-Series; Inferred in 5000-Series
Gas Supply Tank Switcher	Optional
CO2 Concentration Display	Standard, continuous
Humidity Display	Standard, selectable
Data Logging	Standard, RS485 Protocol; Optional IncuSoft Software - Additional Cable and Adapter required
Remote Alarm Terminals	Standard
Adjustable Warm/Cold Alarms	Standard
Adjustable Ambient Alarms	Not Available
Adjustable Gas Alarms	Standard
Power Failure Alarm	Standard
Battery back-up for Alarm	Standard
	Biological Features
Corner Cleaning	Welded Chamber 90° Corners
Gas Supply Filter	Standard, consumable
Gas Sample Port	Standard in Center of Glass Door
In-Chamber HEPA Filter	Optional, consumable
	Dimensions and Construction
Interior Dimensions:	28.1"H x 17.9"F-B x 20"W (714mm x 455mm x 508mm)
Exterior Dimensions:	40.6"H x 25.5"F-B x 25.6"W (1031mm x 648mm x 650mm)
Insulation	2" (51mm) Fiberglass
Inner Door	Standard, Tempered
Porthole Access	Standard, 1.5" diameter (38mm) in rear wall
Heat	Electric
Shelves / Capacity	4 Adjustable Perforated Stainless Steel / Maximum 24
Level Legs	Standard
Ship Weight	265 lbs. / 120 kg.
Operating Weight	350 lbs. / 195 kg.
Other Options	Reversible Door, Stacking Kit, 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: 900 Btu/hr

- 1) Performance is nominal and individual units may vary.
- 2) Incubator performance will differ due to product amount, product size and operating conditions.
- 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.