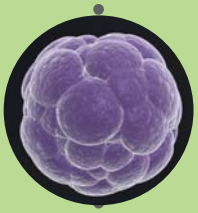
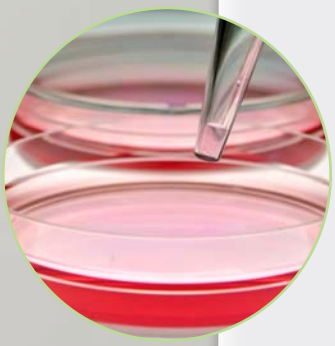
BENCHTOP CO_2 INCUBATORS

THE OASIS™ 6400 SERIES



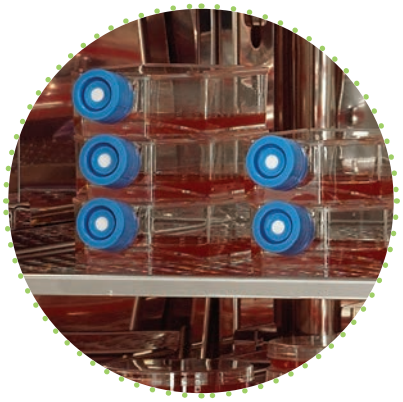


CARON®

Rev - 01/2021

USER CONVENIENCES

THE SAFEST AND MOST SECURE ENVIRONMENT FOR YOUR RESEARCH



Caron's Oasis™ Benchtop Incubators are designed to protect and advance your life's research and work.

The carefully engineered components are designed to maintain high relative humidity and precisely controlled temperature and CO_2. This environment will not only keep cultures secure, but create conditions so your samples flourish.

This benchtop incubator is designed with your convenience in mind by including many features to make operating the incubator simple and trouble-free.

Advanced technology and a secure environment. The Oasis™ provides exceptional conditions for the most reliable results in cell and tissue culture studies. Precision-engineered direct heat and IR sensor technology provides stable temperature and exact CO_2 control.

Compact, sleek design. The 6 cu. ft. design takes up minimal space and is stackable so you can optimize your laboratory space. Each incubator comes with its own stacking kit for your setup convenience.

Rapid overnight decontamination cycle. Decontamination has never been so simple. Our method only requires the user to press a button to initiate the cycle. Caron's rapid, overnight 90˚C moist heat decontamination cycle cleanses the unit and incorporates a drying phase, making it maintenance-free.

Ergonomic, intuitive user interface. Incubator setup is simple and the large alpha/numeric display allows for at-a-glance monitoring.
Caron's Oasis™ Benchtop Incubators are designed to protect and advance your life's research and work.

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SPECIFICATIONS & OPTIONAL ACCESSORIES

Units are stackable, doubling interior volume without additional floorspace. A stacking-kit comes standard with every individual incubator.

The optional roller base enables effortless transportation of the unit and securely locks into place.

Model	6400-1	6400-4
Temperature Range	5°C above ambient to 60°C	
Temperature Control	±0.1°C at 37°C	
Temperature Uniformity	±0.3°C at 37°C	
Temperature Sensor	Precision Thermistor	
Humidity Range	Elevated up to 95% @ 37°C	
CO_2 Range	0-20% CO_2	
CO_2 Control	±0.1% CO_2	
CO_2 Sensor	Infrared CO_2 Sensor	
Interior Dimensions	20"W x 21"D x 25"H (50.8 cm x 53.3 cm x 63.5 cm)	
Interior Construction	Polished Stainless Steel	
Exterior Dimensions	26"W x 26"D* x 36"H (66 cm x 66 cm x 91.4 cm)	
Exterior Construction	Powder Coated Cold Rolled Steel	
Work Space	6 cu. ft. (170 liters)	
# of Shelves	4 Standard; 13 Maximum	
Shelf Construction	Perforated Stainless Steel	
Shelf Dimensions	18.5" x 18.3" (47 cm x 46.5 cm)	
Electrical	115V, 15A, 60 Hz	115V, 15A, 60 Hz
Shipping Weight	264 lbs. (120 kg.)	

Specifications are subject to change without notice. *Add 2.75" for handle.

CE

DOOR401	Independent sealed inner door kit replaces standard inner door. Provides multiple small glass doors to minimize chamber interruptions during door openings. Factory installed.
DOOR402	Factory reversed door for left hand door swing of outer door.
GASG401	CO_2 gas monitoring system automatically switches to a backup supply when low pressure is detected on the primary supply. Factory installed.
HUMD401	Adds humidity display readable in 1% RH increments with programmable low RH alarm. Factory installed.
OUTP401	Provides 4-20mA or 0-5V outputs that represent the temperature, CO_2 and humidity (if equipped) displays. Factory installed.
RLBS401	Roller base provides swivel casters for added mobility to single or stacked incubators. Field installed.
SHLF401	Additional stainless steel perforated shelf with shelf tracks. Field installed.
SHLF402	Inner door shelving kit for use with DOOR401. Provides multiple mini shelf kits with three shelves each that can be accessed through the individual doors of the inner door kit.

For additional accessories, please visit www.caronproducts.com.

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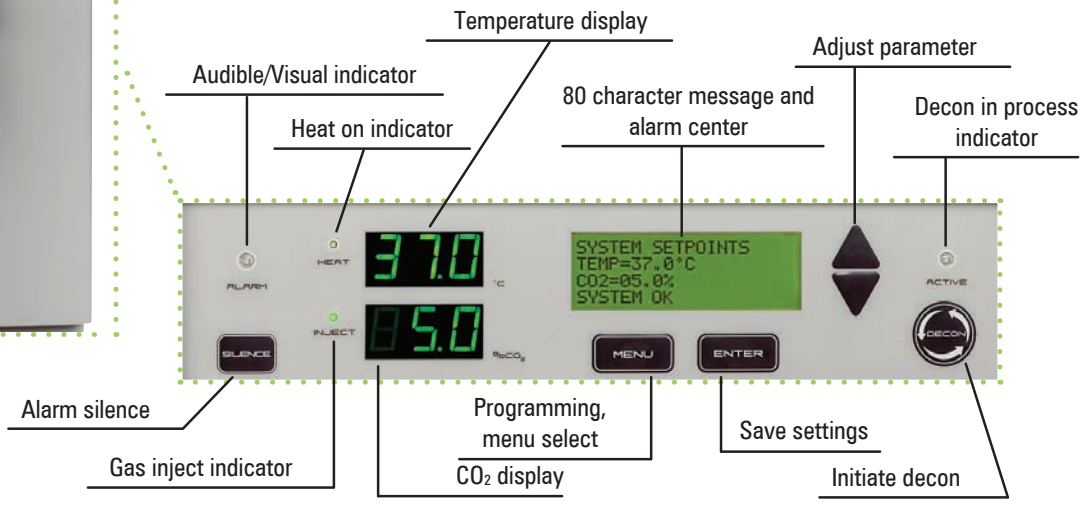
FEATURES & BENEFITS
AT A GLANCE STANDARD FEATURES

- The Oasis™ is 6 cu. ft., compact and stackable, allowing you to attain the best use of the incubator's interior and your laboratory space.
- Caron's Oasis™ comes standard with a drift resistant, highly-reliable Infrared (IR) Sensor, allowing for quick recovery after the door is opened.
- The interior is comprised of polished stainless steel with coved corners, which is highly resistant to corrosion and allows for an easy and effective cabinet wipe-down when needed.
- The adjustable shelves are readily configured to meet your application's need and slide out, making samples at the back of the chamber easy to access.
- Our "tool-less" interior design allows you to remove the interior components for routine cleaning or to setup multiple types of cell research.
- The rapid Decontamination Cycle cleans the incubator overnight with the push of a button, minimizing downtime.
- Multiple HEPA filter design continuously protects the incubator from contamination.
- The Oasis™ has a tri-zone method for temperature control. It utilizes individual heaters, which are located on the outside of every interior wall, to ensure highly uniform temperature that blankets the inside of the incubator. Temperature is rapidly recovered after each door opening.
- Caron's carefully designed airflow system maximizes airflow and results in rapid temperature and humidity recovery with optimal uniformity.
- Our ergonomic, intuitive user interface has a built in message center. It allows for effortless setup, at-a-glance monitoring from across the room and simple adjustments to setpoints and calibrations.
- Advanced data logging system records time stamped incubator parameters for on screen viewing. Built-in help feature allows easy access to frequently asked questions.
- Self diagnostic alarm system monitors all functions and controlled parameters and prompts the user in the event that any parameter exceeds programmable limits.
- A wide range of popular accessories are available which allow you to customize your unit for your application.



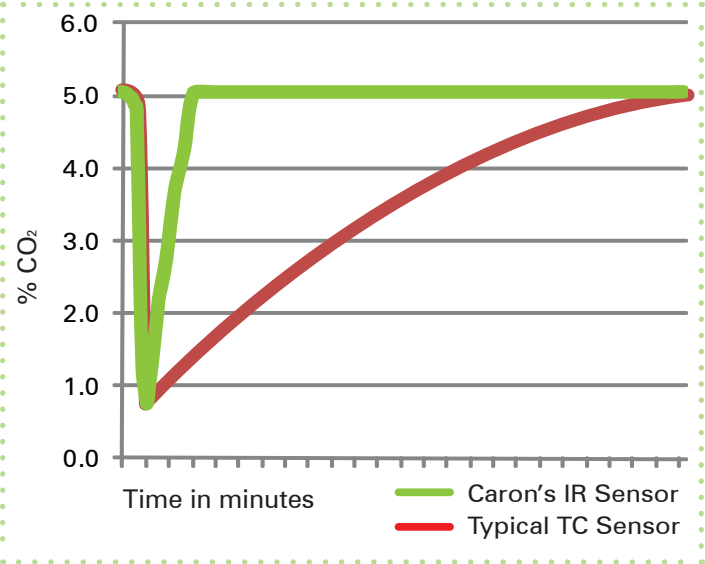
INFRARED SENSORS
A TIME TESTED TECHNOLOGY TO PROVIDE PRECISE O_2 CONTROL

Units are shown stacked with optional roller base.

COMPARISON OF CARON'S SENSORS VS CONVENTIONAL SENSORS

	Caron's IR Sensor	T/C Sensor
Accuracy	The sensor is not affected by temperature or humidity; it solely reads CO_2 levels.	Temperature and humidity influence the CO_2 reading; measures the thermal conductivity of air, not CO_2 alone.
Recovery	CO_2 recovers in less than five minutes after a 30 second door opening.	CO_2 cannot recover until both temperature and humidity stabilize; the average CO_2 recovery is 30 minutes.
Reliability	Gives precise readings of CO_2 levels at all times because the sensor is only measuring CO_2.	The CO_2 display gives false readings until temperature, humidity and CO_2 are completely stable.
Convenience	You can change CO_2, temperature and humidity settings without having to re-calibrate the IR Sensor.	Sensor calibration is required each time you change any of the settings; weekly calibration is typical with these sensors.

Comparison between Caron's IR Sensor vs conventional TC Sensors.



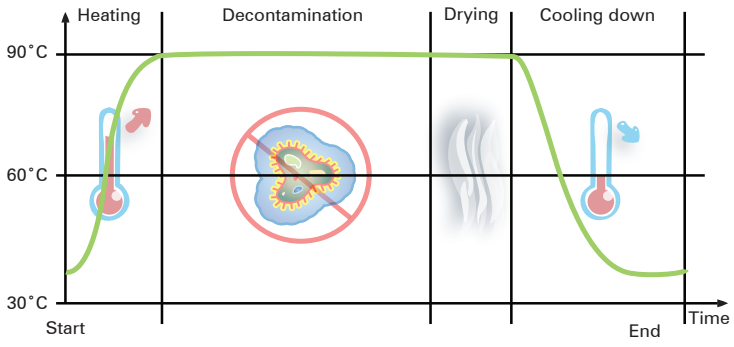
Typical CO_2 response to a 30 second door opening.

- Caron's CO_2 incubators utilize a single beam, dual-wavelength IR CO_2 sensor to get the most accurate measurement of CO_2 in the incubator. It is the leading, proven technology in the field of CO_2 measurements.
- Most competitive models utilize a Thermal Conductivity (T/C) sensor, which is affected by temperature, humidity and oxygen levels. Our IR sensor only reads CO_2, offering unmatched precision control and stability over wide temperature and relative humidity ranges.
- Adjusting CO_2, temperature or humidity setpoints does not require any type of re-calibration of the IR sensor, unlike T/C sensors, which need re-calibrated any time a setting is changed.

DECON CYCLE
A LOOK AT CARON'S RAPID, OVERNIGHT DECONTAMINATION CYCLE

All polished stainless steel, coved corners, a tool-less removable interior with sliding shelves and an automatic blower system that shuts off during door openings contribute to the safest environment for your cell and tissue culture samples.

By simply pressing "Decon" on the control panel, the incubator rapidly cleans the unit overnight. Messy incubator wipe down is eliminated.



Caron's new decon drying system pumps in HEPA filtered dry air. Messy cabinet wipe down is eliminated, allowing the decon cycle to begin with the push of a button and end overnight to safely decontaminate surfaces.

Safe cell and tissue cultures

The Oasis™ design incorporates the latest technologies to prevent contamination and to keep your cell cultures safer than ever.

The entire interior of the incubator is constructed of high grade polished stainless steel with coved corners. All of the interior metalwork components are easily removed without the use of tools. The unique "tool-less" removable interior allows for simplified routine incubator cleaning.

The exterior of the incubator is made of cold rolled steel and powder coated with antimicrobial powder paint. This additional layer further protects the incubator against contamination.

During routine door openings, the blower system automatically shuts off, minimizing the amount of air exchanged with the outside environment. CO_2 gas inlets are protected with HEPA filters to ensure a pure gas supply.

Decontamination cycle

While every precaution is taken to avoid susceptibility to contamination, an easy to use, maintenance free decontamination cycle is standard for added peace of mind.

The Oasis™ utilizes a time-tested, effective method of decontamination. Caron's 90°C moist heat decon cycle is a scientifically proven method for safe and effective decontamination. Unlike dry heat decontamination cycles, extreme temperatures are not required to decontaminate.

Our design further simplifies and accelerates conventional moist heat cycles by adding a drying phase, making it the fastest 90°C moist heat decontamination cycle on the market.

This new feature occurs at the end of the decon cycle and pumps HEPA filtered air into the incubator. The result is a sterile, dry incubator with no clean up required! The drying cycle quickly cools the incubator as the last phase of the maintenance free, overnight decon cycle.