



Part Number: 165000 & 165000-2

Boekel Scientific™ Refrigerated Incubator

BOD and Microbiology Incubator with Advanced Features

Boekel Scientific's new touch screen Refrigerated Incubator was designed to be the most advanced incubator for microbiologic work. The thermoformed plastic interior is easy to clean, and has a capacity to hold over 80 BOD bottles. Thermoelectric cooling and an advanced control system ensure that this incubator is suitable for most research and environmental laboratories. The unit has an easily viewable, bright color touch screen that displays alarms, current temperature, and the humidity level. The user can easily control and define temperature



programs, alarm setpoints and control the internal power outlet based on time. The user interface was carefully designed to be intuitive and easily readable. The display can show temperature and humidity graphs and this data can be downloaded to a USB drive or through an Ethernet connection. The incubator is ideal for standard microbial work or low temperature work such as BOD testing, drosophila, and extremophile bacteria culture because of the high efficiency thermoelectric cooling. The unit can also add humidity to the chamber with the included humidity pan. Contact your local laboratory equipment distributor or Boekel Scientific directly for more information about this exciting new piece of equipment.

- » Advanced Configurable Control System for Standard and Custom Culture Conditions
- » Vivid Color Touch Screen That Can Easily Be Viewed from Across the Room
- » Thermoelectric Cooling to Support Low Temperature Incubation Processes
- » Internal Power Outlet With Time-Based Control Options
- » USB and Ethernet Data Ports
- » Two-year Warranty
- » Made in the U.S.A

Part Number Information

Item	Part Number
Touch Screen Refrigerated Incubator Voltage: 120V Includes: Unit, Humidity Pan, 2 Shelves, and Manual	165000
Touch Screen Refrigerated Incubator Voltage: 230V Includes: Unit, Humidity Pan, 2 Shelves, and Manual	165000-2
Calibration Kit: Temperature and Humidity Calibration Equipment	165CAL



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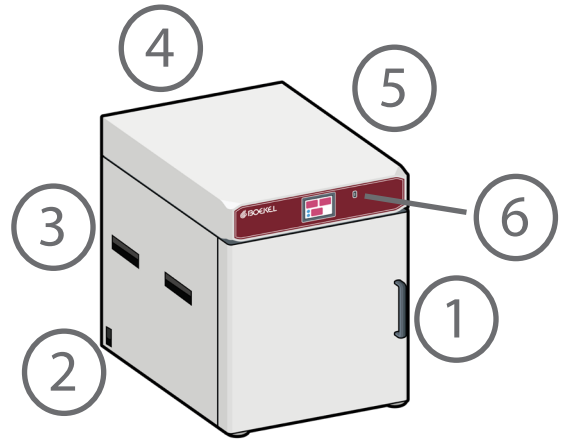
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Device Overview

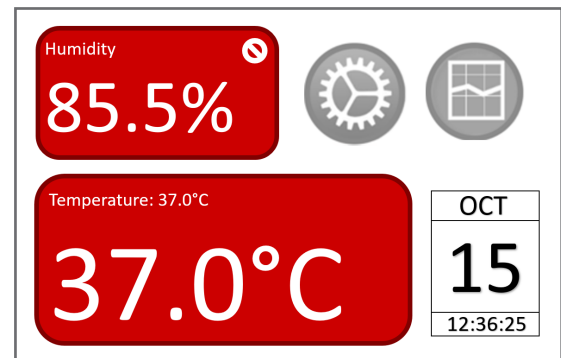
- 1) Large Door Handle
- 2) Power Connection & ON/OFF Switch
- 3) Lifting Handles
- 4) Thermoelectric Cooling
- 5) Ethernet Port
- 6) Color Touch Screen and USB Connector

Device Specifications

Item	Description
Touch Screen Refrigerated Incubator	Part Number: 165000 115V Part Number: 165000-2 230V
Outer Dimensions	W 25.75" x D 27.50" x H 27.75"
Chamber Capacity	4.0 cu ft - 86 BOD Bottles 2 Shelves Included
Materials	Painted Steel Exterior Thermoformed Plastic Interior Stainless Steel Shelves
Cooling Method	Peltier / Thermoelectric + Fan
Heating Method	Dual Resistive + Fan
Control System	Standard and Advanced control of temperature and internal outlet. Time based control of setpoints with repeat function. 4 Setpoint Ramp
Humidity Method	Stainless Steel Pan
Alarms	User Settable High & Low Temperature / Humidity Alarm
Timers	User Settable with/without alarm
User Interface	4.3" Color Touch Screen
Temperature Range	4°C - 60°C @ 20°C ambient
Accuracy	+/- 0.20°C @ 37°C
Stability	+/- 0.10°C @ 37°C
Data Acquisition	Screen Graphing, USB Download, Ethernet Communication
Weight	105 lbs



Main Screen Example



Program Timer/Ramp Set Screen Example