

Lab-Line Incubators



Air-Jacketed Compact Automatic CO₂

Advanced CO₂ Control in an Ultra Compact Package!



CE



Model 314

**Includes FREE
Gas Filter Interface Assembly**

Product Description

- Easy to read LED display of temperature and CO₂ for convenient monitoring.
- Nonvolatile memory retains set points in the event of power or failure.
- Convenient soft-touch keypad makes adjustment of parameters fast and simple.
- Temperature adjustable heated door keeps inner glass door free of condensation for improved viewing of cultures.
- Model 314 features corrosion-resistant seamless stainless steel chamber interior.
- Model 316 features fungus and bacteria resistant seamless copper chamber interior.
- Optional CO₂ exchange switches automatically from empty to full tanks.
- Exclusive SMARTGAS system for accurate CO₂ control and faster recovery to optimize growth of bacterial and animal cell cultures.

- Exclusive SMARTGAS® system for accurate CO₂ control
- Security password protection of set points avoids unintended changes
- Thermal conductivity (TC) CO₂ sensor for constant temperature and humidity applications.
- Available with stainless steel or copper chamber
- ☆ 24 Month Warranty

- Compact size conserves valuable lab space.
- Two shelves are supplied standard; chambers can accommodate five.
- Shelves hold approximately twenty-two 3-1/2" (8.9 cm) petri dishes or fourteen 75 cm² culture flasks.

Operation

- Microprocessor controlled temperature range—5°C above ambient to 60°C with ±0.1°C control, ±0.25°C uniformity.
- CO₂ concentration from 0-20%, ±0.1% control as monitored by a thermal conductivity sensor.
- Audible and visual alarms indicate temperature deviations of ±1°C or more, CO₂ concentration deviations of 1% or greater, or when incubator door has been left open for more than five minutes.
- Security password protection software can be activated so that only authorized personnel can change CO₂ and temperature set points.
- CO₂ recovery time to 5% CO₂ (98% of set value) after 30 second door opening at 37°C is 7 minutes.
- Independent hydraulic high limit thermostat protects cultures in the event of over temperature conditions.

PRODUCT SPECIFICATIONS

Model #	Sensor Type	Operating Temp Range °C	Temperature Control °C	Temperature Uniformity °C	Chamber Volume cu. ft. (l)	Chamber Dimensions Inches (cm)			Overall Dimensions Inches (cm)			# of Shelves	Shipping Weight Lb. (kg)
						W	H	D	W	H	D		
314, 314-1CE	TC	Ambient +5° to 60°C	±0.1°C	±0.25°C	Stainless steel 1.2 (33.9)	14 (36)	single 12 (31)	12 (31)	22.5 (57)	19 (48)	18 (46)	2	70 (32)
316, 316-1	TC	Ambient +5° to 60°C	±0.1°C	±0.25°C	Copper 1.2 (33.9)	14 (36)	12 (31)	12 (31)	22.5 (57)	19 (48)	18 (46)	2	70 (32)

ORDERING INFORMATION

Model #	Electrical (50/60 Hz)			US List Price
	Volts	Amps	Watts	
314	120	1.7	200	\$3,188.00
314-1CE	230/240	0.8	200	\$3,188.00
316	120	1.7	200	\$3,807.00
316-1	230/240	0.8	200	\$3,807.00

ACCESSORIES

Model #	Description	US List Price
315-6	Stainless Steel Shelf	\$75.00
317-6	Copper Plated Shelf	\$72.00