

Hot Air Sterilizer Oven



YCO-010

YCO-N01 (Digital)

YCO-N01 (Analog)

Specifications :

Model	YCO-010 Series	YCO-N01 (Analog)	YCO-N01 (Digital)
Capacity (Liters)	16, 25, 36, 40, 57, 75, 90, 110, 150, 200, 250 L.	16, 34, 53, 75, 90, 110, 150, 200 L.	
Temperature range	Ambient + 5°C to 250°C	Ambient + 5°C to 250°C	
Timer	Digital, 9hr.59min + HOLD	Mechanical, 180 min. + HOLD	
Standard accessory	2 stainless steel shelves	2 stainless steel shelves, adjustable	
Control system	Microprocessor	Analog	Microprocessor
Temperature control	PID	ON/OFF	PID
Temperature setting / Display	Digital	Analog	Digital
Temperature uniformity	±3°C at 180°C	±8°C at 180°C	±3°C at 180°C
Temperature stability	±0.1°C at 180°C	±5°C at 180°C	±0.1°C at 180°C
Resolution	1°C	1°C	1°C
Sensor	"K" type	Hydraulic expanded	"K" type
Over-heat alarm & shutout	Yes, 10°C to the set point	At 220°C	Yes, 10°C to the set point
Air convection	Forced convection by fan	Natural (Gravity)	Forced convection by fan
Quality standard	ISO, CE, GMP, FDA, Japan	ISO, CE, GMP, FDA	ISO, CE, GMP, FDA

(Please refer the wattage and the dimension of interior and exterior to us)

All measurements are approximated which may be varied under the different operation environment.

Technical Data:

- GEMMY Hot Air Sterilizer Oven is designed for general application in variety of baking, drying, conditioning, preheating, curing for dry content analysis, chemical resistance studies, glassware drying, dry sterilizer etc.
- All equipment features double wall construction for durability and good heat retention.
- Heavy-gauge glass fiber insulation sustains to prevent the heat loss and maximize energized efficiency.
- The height of stainless steel wire-rod shelf is adjustable in order to meet the sample dimension.

YCO-010 (YCO-N01 Digital)

- Functions preheating with timer working only when the actual temperature arrived at 2°C below set point.
- LED digital set and display for Power, Heating, PV, SV, Alarm, Timer and Operation easy for investigation.
- Adjustable fresh air inlet port at bottom and top providing control of the amount of convective air.
- Quality surface treated by powder coating ensures scratch free and corrosion free.
- Safety devices:
 - Over temperature alarm and shutout device to 10°C above the set point.
 - Sophisticated design to shut off power protecting sterilizer from excessive heating at 220°C if primary control fails.
 - Optional for no-fuse current leakage breaker with O.C. for extra cost.
 - Audible & visible alarm indicated by indicator.
- Timer stop counting when PV is 5°C below SV after stabilization if door is opened, the memory will store the past time and start to count when the PV value returns to 2°C below SV.

YCO-N01

- This model is designed when the cost is the major consideration to the users.
- Gravity convection is used when the accurate temperature control and uniformity are not critical important to users and your samples can't be disturbed by air current.
- A mercury thermometer is mounted on top of the equipment providing temperature direct reading.

Hot Air Sterilizer Oven



YCO-N01 (Analog)



YCO-N01 (Digital)



YCO-N03 (Digital)

Specifications:

Model	YCO-N03 (Digital)	YCO-N01 (Digital)	YCO-N01 (Analog)
Capacity available	34 L, 53 L. and 75 L.	16 /20 / 34/53 /75 /90 /110 /150 /200 liters	
Temperature range	Ambient + 5°C to 250°C	Ambient + 5°C to 250°C	
Timer	Mechanical timer, 180min +HOLD	Mechanical timer, 180min + HOLD	
Standard accessory	2 stainless steel shelves	2 stainless steel shelves, interval is adjustable	
Control system	Microprocessor	Microprocessor	Analog
Temperature control	PID	PID	ON/OFF
Temperature setting / Display	Digital	Digital	Analog / Thermometer
Temperature uniformity	±3°C at 180°C	±3°C at 180°C	±8°C at 180°C
Temperature stability	±0.1°C at 180°C	±0.1°C at 180°C	±5°C at 180°C
Resolution	1°C	1°C	1°C
Sensor	PT-100	"K" type	Hydraulic expanded
Over-heat alarm & shutout	Yes, 10°C to the set point	Yes, 10°C to the set point	Yes, at 220°C
Air convection	Natural convection	Forced convection by fan	Natural convection, no fan
Air vent	Yes,	Yes	Yes
Quality standard	ISO, CE, GMP, FDA, Japan	ISO, CE, GMP, FDA, Japan	ISO, CE, GMP, FDA, Japan

【All measurements are approximated which may be varied under the different operation environment.】

Technical Data:

- GEMMY Hot Air Sterilizer Oven is designed for general application in variety of baking, drying, conditioning, preheating, curing for dry content analysis, chemical resistance studies, glassware drying, dry sterilizer etc.
- All equipment features double wall construction for durability and good heat retention.
- Heavy-gauge glass fiber insulation sustains to prevent the heat loss and maximize energized efficiency.
- The height of stainless steel wire-rod shelf is adjustable in order to meet the sample dimension.

YCO-N01 Digital

- Function preheating with timer working only when the actual temperature at 2°C below set point.
- LED digital set and display for Power, Heating, PV, SV, Alarm, Timer and Operation easy for investigation.
- Quality surface treated by powder coating ensures scratch free and corrosion free.
- Safety devices: (Same as model YCO-010 microprocessor controlled model)
 - Over temperature alarm and shutout device to 10°C above the set point.
 - Sophisticated design to shut off power protecting sterilizer from excessive heating at 220°C if primary control fails.
 - **Optional** for no-fuse current leakage breaker with O.C. for extra cost.
 - Audible & visible alarm indicated by indicator.
 - Timer stop counting when PV is 5°C below SV after stabilization if door is opened, the memory will store the past time and start to count when the PV value returns to 2°C below SV.

YCO-N03 & YCO-N01 (Analog)

- This model is designed when the cost is the major consideration to the users. Natural convection is used when the accurate temperature control and uniformity are not critical important to users and your samples can't be disturbed by air current.
- YCO-N03 features digital set and display, but without timer and natural convection without fan.



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