

Sanyo MCO-17AI Incubator

SPECIFICATIONS of the Sanyo MCO-17AI:

Name:	Sanyo CO2 Incubator
Type	MCO-17AI
Outer Dimensions	620W x 685D x 900H (mm)
Inner Dimensions	490W x 505D x 665H (mm)
Effective Capacity	164 liters
Shelf Dimensions	450W x 450D x 10H (mm)
Capacity of Shelves	5 (standard), 17 (maximum)
Exterior Cabinet	Baked-on acrylic finish on galvanized steel
Interior Cabinet	Stainless steel (SUS-304)
Door	Baked-on acrylic finish on galvanized steel
Inner Door	Tempered glass
Shelves	Stainless steel (SUS-304)
Insulation	Rigid polyurethane foam (NON-CFC) + Glass wool
Heating Method	Air jacket
Humidifier	Natural evaporation from humidifying pan
Temperature Control	PID Control
CO2 Control	ON-OFF automatic control (chopperless infrared sensor)
Convection in the Box	Gentle Draft
Fan	Turbo fan (polypropylene), Outer diameter 80 mm
Fan Motor	2 polarities, Output 1W
Filter	0.3μm, Efficiency 99.97%
Power Source	Local voltage
Heaters	Total 424W
Gas Control Valve	Solenoid valve
Warning Function	Temperature, CO2 and the other alarm diagnosis system
Temperature Warning Indication	More than $\pm 1^{\circ}\text{C}$, the all figure of temperature flickers
CO2 Density Warning Indication	More than $\pm 1\%$, the all figure of CO2 flickers
Overheat Warning	Manual set($35 \sim 51^{\circ}\text{C}$), OVER HEAT lamp warning, heater OFF
Capacity of Contact Point for Remote Alarm	AC125V, 0.4A; DC30V, 2A
Output of Remote Recorder Terminal	0 ~ 100mV (temperature, CO2 density)
CO2 Connecting Inlet	4 ~ 6 mm dia. Tube
Sample Gas Collecting Outlet	4 ~ 6 mm dia. Tube
Weight	91 kg

ATTACHMENTS

Stainless Steel Shelves	5
Supports	5 sets
Tube for Gas	1
Humidifying Pan	1

PERFORMANCE

Suitable Temperature of Environmental Surrounding	$0^{\circ}\text{C} \sim 35^{\circ}\text{C}$
Extent of Temperature in the Unit	Room temperature $+5^{\circ}\text{C} \sim 50^{\circ}\text{C}$
Control Range of Temperature in the Unit	$\pm 0.1^{\circ}\text{C}$
Distribution of Temperature in the Unit	$\pm 0.2^{\circ}\text{C}$
Extent of CO2 Density	0 ~ 20.0%
Range of CO2 Regulation	$\pm 0.15\% ^{\circ}\text{C}^*$
Humidity in the Unit	95% R.H. or more
Secondary Pressure of CO2	0.3 kg/cm ² G
Total Power Consumption	440W (maximum)

*Value measured at 37°C . CO2 density of 5.0%. Ambient temperature 20°C

OPTIONS

Co2 Pressure Regulator	250 kg/cm ² G (primary), 2kg/cm ² G (secondary)
Stainless Steel Shelf	The same as the attached shelf, supplied with supports
Stack Kit	MCO-17PS