

LABORATORY



INCUBATOR LOW TEMPERATURE B.O.D
MODEL : MO-7701K

Moonmed Model MO-7701K Low Temperature Incubator

The MO-7701K Low Temperature Incubator despite its small footprint still provides an inner working volume of about 75L. Ideal for B.O.D. it will control and maintain a stable temperature range from 0°C to 60°C.



Space-saving low temperature incubator is ideal for small volume workloads. Easy-to-clean chamber is fully insulated for efficient temperature transfer, and corrosion-resistant to ensure a long, useful life.

Gentle, continuous forced-air circulation ensures temperature uniformity ($\pm 0.3^{\circ}\text{C}$ at 20°C) and the most reproducible test conditions. Chamber air is gently and continuously circulated at a rate that ensures temperature uniformity of all test samples. The refrigerated incubators are equipped with hermetically sealed compressor and an independent over-temperature safety controller and is supplied with adjustable shelves 2.5cm increments and as an (option) an electric plug to allow shakers, stirrers, roller bottles or other apparatus to in be used

SPECIFICATIONS

Temperature Range:

Temperature Range:

$+0^{\circ}\text{C} - +60^{\circ}\text{C}$

Temperature Fluctuation:

$\pm 0.3^{\circ}\text{C}$ @ 37°C

Temperature Control Accuracy:

$\pm 0.1^{\circ}\text{C}$

Control System:

Temperature Controller:

Microprocessor PID

Temperature sensor : PT100 Ω

4.3" Touch panel

English operation mode

Alarm record

Audio/visual alarm for high and low value

Set time for power on/off

Real time-non ramping

programming cycle 0-24h

Display set (SV) and process value (PV) at the same time

Record temperature data (Humidity as an Option)

USB data export

Remote control system: access to HMI by Lan (by WIFI or internet as an option)

Easy access to process/ Set value

Power, Cooling system, Defrosting,

Alarm function control

Forced Air Circulation



Features



MO-7701K Control Panel

Touchscreen HMI 4.3"
Audio/ Visual Alarm
USB Data export
SV/PV Display at the same time



Insulation

5cm PU(Polyurethane)
Magnetic Vinyl gasket
Double tempered glass



Temperature Control

+0°C - +60°C
Programmable
Excellent uniformity and Stability
Compressor/Heater system



Air Circulation

Back to front forced air circulation
Great uniformity despite samples presence
Long lifespan fan
Side to side air circulation (Option)



Adjustable Shelf

SUS 304 highly resistant
2.5cm steps adjustable
1 shelf for 2 areas
Additional shelf (optional)



Safety Device

2 over temperature systems
NFB (Non fuse breaker)
Self-anomaly detection display

Options

- Freely positionable Pt 100 temperature sensor
- Open door audio alarm
- TEC/Peltier cooling
- Analog outputs 4-20mA
- Access ports of various diameters
- Remote control
- Hepa filter
- Humidity monitoring control
- Light:UV,T5 or LED
- Gas control (CO₂O₂N₂)
- WIFI control App
- Door Lock
- Ultra-low temperature



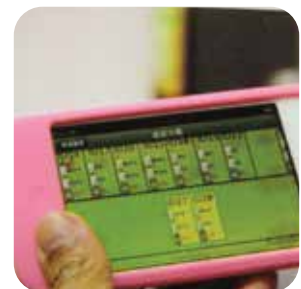
Analogue output



PT-100 Sensor



Access Port



Remote Control





INCUBATOR LOW TEMPERATURE B.O.D

MODEL MO-7701K

Temperature Range	+0°C - +60°C	Overview Dimensions	W500 x D575 x H800mm
Temperature Fluctuation	±0.3°C @ 37°C	Working Volume	75L
Temperature Uniformity	±0.5°C @ 37°C	Interior Material	Stainless Steel #304
Temp. Control Accuracy	±0.1°C	Exterior Material	Coated steel
Program	PID microprocessor programmable Multi programs Clock / Timer Mode	Insulation	PUF insulation
Alarm	High and Low Temperature Alarm	Door	Door with Free condensation observation window
Data	Data Export by USB port	Growth Area	2 growth areas
Remote Control	Direct connection to unit by LAN to control HMI (by Internet an option)	Growth Height	22cm per area adjustable (2.5cm steps)
Air Circulation	Back to front horizontal forced airflow	Safety Device	Overheat protection / Over load protection

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