OPLINE LAB

CO2 Incubator (Dry Heat Sterilization at 140°C)

◎Characteristics:

- Equipped with a 7.0-inch full-color touch screen.
- Standardly fitted with imported high-precision infrared CO2 concentration sensor.
- Supports three-level authority management and features 140°C high-temperature sterilization function.
- Adopts six-sided air-jacket heating system with optimized air duct structure, delivering excellent temperature uniformity and fast heating & temperature recovery.
- Designed with bottom water tank for large evaporation area and rapid humidity recovery. Equipped with door heating device to prevent condensation on inner glass door. Fitted with high-efficiency filter and intake air filter to guarantee air cleanliness inside the chamber.



◎Main Technical Parameters:

Model		TL-50C-L	TL-80C-L	TL-150C-L	TL-180C-L
Heating System		Microcomputer-controlled air jacket heating			
Performance	Operating Temperature Range	RT+5-65°C			
	Temperature Resolution	0.1°C			
	Temperature Fluctuation	±0.1°C			
	Temperature Uniformity	±0.3°C			
	CO_2 Sensor	Infrared type; Measuring range: 0.0-21.0%			
	CO_2 Control Range	0.0-20.0%			
	CO_2 Control Accuracy	±0.1%			
Construction	Inner Chamber	SUS 304 stainless steel			
	Outer Cabinet	Cold-rolled steel plate with electrostatic spray coating			
	Insulation Layer	Polyurethane			
	Heater	Heating sheet			
	Humidification Method	Humidification tray			
	Rated Power	0.4kW	0.5kW	0.6kW	0.7kW
	Exhaust Port	ϕ27mm at rear (with test port function)			
	Other	High-efficiency filter			
Controller	Control Mode	Intelligent fuzzy PID control			
	Setting Method	Touch screen			
	Representation method	Temperature shown on left of LCD, CO_2 concentration on right			
	Timer	0-9999 minutes (with delay timing function)			
	Operation Mode	Constant temperature run, timed run, auto stop			
	Additional Functions	Sensor deviation correction, temperature overshoot auto-tuning, internal parameter lock, power-off parameter memory			
	Sensor	PT100 temperature sensor, water level sensor, CO_2 sensor			
Safety Device		High temperature alarm, CO_2 concentration alarm, multi-functional fault alarm			
Specification	Inner Chamber(W*L*Hmm)	345*375*388	404*439*454	509*472*632	540*500*670
	Exterior Size(W*L*H mm)	500*500*655	585*585*766	593*746*842	629*791*893
	Packing Size(W*L*H mm)	620*620*855	705*705*966	713*866*1042	749*911*1093
	Internal Volume	50L	80L	150L	180L
	Max. Shelf Layers	4	5	6	7
	Shelf Load Capacity	15kg			
	Shelf Spacing	35mm			
	Power Supply (50/60 Hz) Rated Current	AC220V/1.8A	AC220V/2.3A	AC220V/2.7A	AC220V/3.2A
	N.W/G.W(kg)	55/70	70/85	93/108	115/130
Accessory	Shelves	2			
	Shelf Supports	4			
Optional Accessories		Shelf, printer			