Large Capacity Laboratory Sterilizer

MADE IN CH

SQL1010C

Operating temp. range	45°C to 135°C	Max. operating pressure	0.26 MPa	Internal capacity	110L

High-performance, easy operation and ergonomically designed sterilizer featuring easy top loading and handling of samples
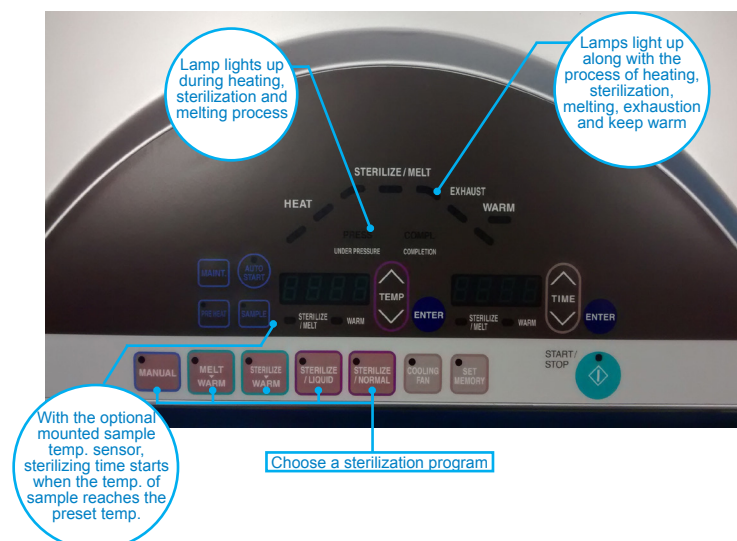

110L

- Maximum sterilizing temperature goes up to 135°C suitable for protein modification
- By simple setting and operation, these sterilizers manage ordinary sterilization, sterilization of culture mediums and liquids, and melting of culture mediums
- Custom programs can be saved for repeated use
- Standard equipped with timer start and preheating features for efficient use of time and cooling fan to shorten cool down time
- Mobile on wheels

- ■ Enhanced safety device
- Lid interlock mechanism
- Drain bottle unset alarm
- Memory malfunction
- Automatic shutdown when malfunction
- Self-diagnostic functions

■ Specifications

Model	SQL1010C
System	Automatic high-pressure steam sterilization
Operating temperature range	45 ~135°C 45 ~80°C (pre-heating) / 45 ~ 60°C (heat retention) / 65 ~100°C (melting) / 105 ~135°C (sterilization)
Max. working pressure	0.255 MPa
Lid (cover mechanism)	Manual upward opening with an interlock for safety
Heater	2000W x 2 pcs.
Exhaust valve	One exhaust valve and one slow release valve
Option port	For sample sensor (1/4), recorder (1/4) and connection to pressure gauge (branched from the electromagnetic exhaust duct)
Cooling fan	Axial fan motor
Temp. controller	PID control by microprocessor
Temp. display / setting	Digital display / digital setting by ▲/▼ keys
Timer / Timer resolution	0 or 1 min. to 99 hrs 59 min. / 1 minute
Operation mode	Instrument sterilization course, liquid sterilization course, sterilization and keep warm course, melting and keep warm course, customer-programmed course
Other functions	Key locking, presetting, saving, preheating, forced cooling, sample temperature sensor (option), pattern locking, up to 20 error log saving, display of accumulated working time / present time, ON-OFF beeping setting
Safety device	Sensor failure detection, SSR short-circuit, broken heater wire, prevention of idle heating (liquid expansion type), alarm against the absence of a drain bottle, failure in locking the lid, memory error detection, pressure relief valve (0.255 MPa)
External dimensions (WxDxH)*	680 x 760 x 1154 mm
Internal dimensions of chamber	I.D.450 x 692 mm
Internal capacity	110L
Weight	~170kg
Power source	AC220V 19A *no plug, round terminal*
Included accessories	2 pcs. stainless steel mesh basket (Φ424 x H300 mm)
	Vapor cup x 1, Drain bottle x 1, Drain board x 1, Filter x 1

* External dimensions exclude protrusions

■ Control panel

Lamp lights up during heating, sterilization and melting process

Lamps light up along with the process of heating, sterilization, melting, exhaustion and keep warm

With the optional mounted sample temp. sensor, sterilizing time starts when the temp. of sample reaches the preset temp.

Choose a sterilization program

Sterilize/Normal Course	Sterilization of equipment such as flask, beaker, test tube, scissors
Sterilize/Liquid Course	Sterilization of culture and reagents and keep warm
Sterilize Warm Course	Dissolve and keep warm of the agar medium
Melt Warm Course	Sterilization of liquid, purified water and dilution water
Manual Course	Customized temperature and time settings

■ Optional item

Mesh basket

Product code	Description
H060602006	Mesh basket Φ424×H300