

# Muffle Furnace (+1200°C)

**LABEC Muffle Furnaces** are manufactured in Australia with high quality stainless steel for easy maintenance and excellent durability. The double skinned construction keeps the exterior body cool at high temperatures and provides excellent stability.

The furnace features light weight ceramic fibre insulation for rapid thermal cycling and heating by electric elements with a rear vent port for natural venting or gas purging.

The door is firmly held closed with adjustable side locking latch and has a safety cut off when the door is opened during operation.

## Additional options

To suit your requirements the addition of options such as programmable controllers, timers and cable access ports are also available.



PID Control display system

**Controller** – A digital microprocessor based PID temperature controller controls the temperature within the range ambient +300°C to +1200°C.

## Data logging

When optioned the controller can be connected via RS232/RS485 communication ports which can be connected directly to a data logger or computer to collect this information. Software is available for programming and monitoring.



Stainless steel casing

Safety door switch

Digital controller

## Features include:

- RCD/ ELB (earth leakage breaker).
- Type N Thermocouple.
- Stainless Steel exterior.
- Over Temperature Alarm Cut Off.

Serving the Scientific, Medical and Research industries since 1945

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## SPECIFICATIONS

# Muffle Furnace (+1200°C)

Model	CEMLM	CEMLL
Capacity (litres)	7	15
Int. Dim. (mm) H x W x D	120 x 200 x 300	160 x 250 x 400
Ext. Dim. (mm) H x W x D	610 x 460 x 490	620 x 535 x 620
Temp. Controller	Digital PID Controller	
Temp. Min	+300°C	
Temp. Max	1200°C	
Temp Setting Accuracy	1°C	
Temp. Fluctuation	+/- 1 %	
Temp. Sensor	Type N	
Heating System	Electric Element	
Interior Material	Ceramic Lined	
Exterior Material	Stainless Steel	
Options	Cable entry port, timer, programmable controller, extraction vent, internal shelf.	
Safety Features	Over temperature alarm, temperature protection cut off, earth leakage breaker (ELB)	
Power Supply	415V Three Phase	415V Three Phase
Power (AMPS)	12 AMPS	20 AMPS
Weight (kg)	55	70

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