

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.

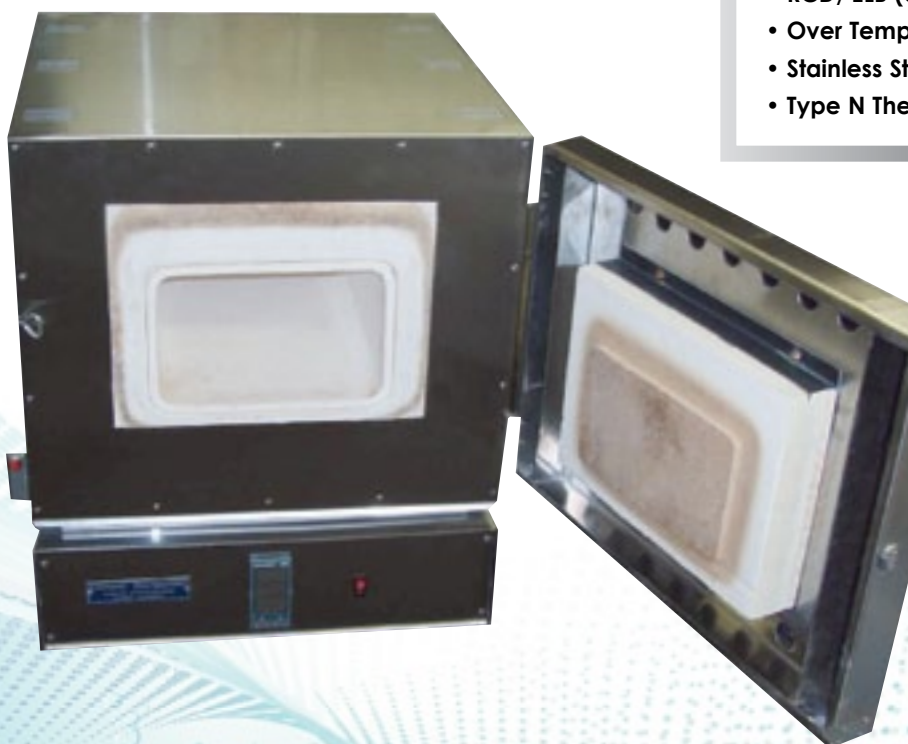
The door is firmly held closed with adjustable side locking latch and has a safety cut off when the door is opened during operation.

A digital microprocessor based PID temperature controller controls the temperature within the range ambient +5°C to +1200°C, when optioned the controller can be connected via RS232/RS458 communication ports which can be connected directly to a data logger or computer to collect this information. Software is available for programming and monitoring.

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

OTHER STANDARD FEATURES INCLUDE:

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



Serving the Scientific, Medical and Research industries since 1945

LABEC

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SPECIFICATIONS

MUFFLE FURNACE (+1200°C)

Model	CEMLS	CEMLM	CEMLL
Capacity (litres)	4	7	15
Int. Dim. (mm) H x W x D	90 x 165 x 250	135 x 170 x 290	150 x 240 x 425
Ext. Dim. (mm) H x W x D	610 x 460 x 430	610 x 460 x 490	620 x 535 x 620
Temp. Controller	Digital PID Controller		
Temp. Min	Ambient +5°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. Other models: safety lift up door, cantilever door, ashing furnace, volatile matter furnace,		
Safety Features	Over temperature alarm, temperature protection cut off, earth leakage breaker (ELB)		
Power Supply	240v/50Hz		
Power (W)	2400/10 AMPS	3600/15AMPS	4800/20AMPS
Weight (kg)	32	42	59

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