

MUFFLE FURNACE

(+1500°C)

LABEC 1500°C Muffle Furnaces are manufactured to the highest quality standards and feature double skinned construction with fan cooling exterior keeps the exterior body cool at high temperatures.

The furnace features light weight ceramic fibre insulation for rapid thermal cycling and heating by silicon carbide electric elements which allow for rapid heating and cooling and provide a superior element life. The furnace features 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 300°C to +1500°C, 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.

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



Serving the Scientific, Medical and Research industries since 1945

LABEC

LABEC

Laboratory Equipment Pty Ltd

Laboratory Equipment Pty Ltd

email: sales@labec.com.au

Ph: 02 9560 2811 • Fax: 02 9560 6131

www.labec.com.au

SPECIFICATIONS**MUFFLE FURNACE
(+1500°C)**

Model	CEMMS	CEMMM	CEMML
Capacity (litres)	4 litres	7 litres	15 litres
Int. Dim. (mm) WxHxD	150x150x150	150x150x300	250x200x300
Ext. Dim. (mm) WxHxD	800x470x400	800x470x500	900x520x500
Temp. Min	300°C		
Temp. Max	1500°C		
Temp. Controller	Digital PID Controller		
Temp. Setting Accuracy	1°C		
Temp. Fluctuation	+/- 1%		
Temp. Sensor	Type B		
Heating System	Electric Silicon Carbide Elements		
Interior Material	Ceramic Lined		
Exterior Material	Stainless Steel		
Options	Programmable controllers, timers, access ports. Safety lift up door, cantilever door, higher temperature models available.		
Safety Features	Over temperature safety controller, earth leakage breaker (ELB).		
Power Supply	240V/15 AMPS	240V/ 15AMPS	240V/ 20AMPS
Power (W)	3000	3600	4800
Weight (kg)	45	50	60

Serving the Scientific, Medical and Research industries since 1945



Laboratory Equipment Pty Ltd

Laboratory Equipment Pty Ltd

email: sales@labec.com.au

Ph: 02 9560 2811 • Fax: 02 9560 6131

www.labec.com.au