

# HORIZONTAL TUBE FURNACE

(+1200°C)

**LABEC Horizontal Tube Furnaces** are manufactured in Australia with highest quality components for laboratory, commercial and research purposes. The exterior is manufactured from stainless steel for easy maintenance and excellent durability, whilst the double skinned construction keeps the exterior cool at high temperatures. The inner material is fibre board and provides excellent thermal stability.

The furnace features light weight ceramic fibre insulation which enables rapid thermal cycling and heating is by electric embedded elements. The Horizontal Tube Furnaces are available in single or multiple heating zones with independent zone control available on each zone. Policeman safety controllers with independent thermocouples can be fitted. An extensive range of tube diameters are available, ranging from 40mm to 300mm with varying heated length zones available up to 2000mm length. Custom models are available upon request.

Digital microprocessor based PID temperature controllers controls the temperature within the range ambient +5°C to +1200°C The controller can supplied with RS232/RS458 communication ports which can be connected directly to a data loggers or computers to collect information. Software is available for programming and monitoring.

## **OTHER STANDARD FEATURES INCLUDE:**

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



Laboratory Equipment Pty Ltd

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email: [sales@labec.com.au](mailto:sales@labec.com.au)  
Ph: 02 9560 2811 • Fax: 02 9560 6131  
[www.labec.com.au](http://www.labec.com.au)

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## SPECIFICATIONS

# HORIZONTAL TUBE FURNACE (+1200°C)

Model	HTF40/12	HTF50/12	HTF60/12	HT70/12	HTF80/12	HTF90/12
Length (mm)	500	600	600	750	750	1000
Heated Length (mm)	450	540	540	690	690	900
Int. Diameter (mm)	40	50	60	70	80	90
Temp. Max	1200°C					
Temp. Setting Accuracy	1°C					
Temp. Fluctuation	+/- 5%					
Temp. Sensor	Type N					
Heating System	Electric Element					
Interior Material	Light Weight Ceramic Fibre					
Exterior Material	Stainless Steel					
Options	Cable entry port, timer, programmable controller, custom diameter tubes, single or multiple heat zones, high temperature models, RS232 connection.					
Safety Features	Over temperature Alarm, temperature protection cut off, earth leakage breaker (ELB).					
Power (W)	1500	2000	2200	2400	3000	3600
Weight (kg)	16	19	23	25	27	49

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