

# High Performance Oven

Fan Forced (Ambient +5°C to 200°C)

Serving the Scientific, Medical and Research industries since 1945

**LABEC**

## **LABEC Performer Fan Forced Oven**

is manufactured in Australia with high quality stainless steel for easy maintenance and excellent durability.

Using a unique triple walled stainless steel interior jacket heating system with elements inside the walls provides excellent temperature uniformity whilst the fan forced convection heating circulates the warm air inside the chamber providing improved uniformity and recovery after door opened.



Model OTWMD36



PID Control display system

**Controller** – A digital microprocessor based PID temperature controller controls the temperature within the range ambient +5°C to 200°C, temperature fluctuation is  $\pm 0.5^\circ\text{C}$ .

### **Standard features include:**

- RCD/ELB (earth leakage breaker).
- Over Temperature Thermostat.
- Stainless Steel exterior.
- Type K Thermocouple.
- Adjustable/removable shelving.

### **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.

### **Additional options**

To suit your requirements the addition of options such as a safety toughened glass viewing window, programmable controllers, timers and cable access ports are also available.



Laboratory Equipment Pty Ltd

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email: sales@labec.com.au

Ph: 02 9560 2811 • Fax: 02 9560 6131

www.labec.com.au

# SPECIFICATIONS

## High Performance Oven Fan Forced (Ambient +5°C to 200°C)

Model	OTWMD14	OTWMD18	OTWMD24	OTWMD36	OTWMD48	OTWMD50
Capacity (Litres)	32	66	160	300	375	507
Int. Dim. (cm) H x W x D	35 x 30 x 30	46 x 38 x 38	60 x 50 x 50	90 x 60 x 50	120 x 60 x 50	120 x 65 x 65
Ext. Dim. (cm) H x W x D	69 x 48 x 54	88 x 58 x 61	102 x 70 x 71	135 x 80 x 80	160 x 80 x 80	160 x 85 x 85
Temp. Controller	Digital PID Controller					
Temp. Min	Ambient+5°C					
Temp. Max	200°C					
Temp. Setting Accuracy	+/-0.1°C					
Temp. Fluctuation	at 105°C is +/- 1°C					
Temp. Sensor	Type K					
Heating System	Electric Element					
Interior Material	Stainless Steel					
Exterior Material	Stainless Steel					
Shelves	2					3
Options	Glass or acrylic viewing window, castors, cable entry port, additional shelves, timer, programmable temperature profiler, communications port RS232 or RS485, temperature up to 600°C.					
Safety Features	Over temperature alarm, temperature protection cut off, earth leakage breaker (ELB)					
Power Supply	240V/50Hz					
Power (W)	750	900	1500	2400	3000	3600
Weight (kg)	45	60	75	90	105	115

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