



## **1250°C Muffle Furnace LD-LMF-D12**

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# 1250°C Muffle Furnace LD-LMF-D12

## Overview

LMF-D12 model of Muffle Furnace is uniquely designed furnace having optimal insulation properties and basic control options with user friendly operating menu in 4 line display for easy operation. With heating elements Fe-Cr-Al, embedded into bricks, it is ideal for maximum and continuous working temperature of 1250 °C. It is equipped with instantaneous energy consumption indicator, calculator for average working temperature, Total working hour counter and descriptive error indicator and is efficient, accurate and reliable in working.

## Features:

- PID controller
- LCD display that shows current and target temperature
- Optimum insulation properties
- 2, 4, 8 and 16 step heating programs available
- Fe-Cr-Al heating element embedded in brick walls
- Accurate measurement and control of temperature using K and S type thermocouple
- Second thermocouple for different adjustable purposes
- Durable inside lining made of light insulating bricks
- Dual shell housing for low outer surface temperature
- Steel sheet housing material
- Insulating fire brick as inner and front face insulation material
- Ceramic fibre board as door insulation material
- Quartz tube used to protect heating element
- Provision of audio warning as the step changes and at the end of the program
- Provision of automatic power cut-off to the heating elements and alert if the control unit/control card is over heated
- Instantaneous energy consumption indicator
- Calculator for average working temperature
- Descriptive error indicator
- User friendly menu

## Specifications:

<b>Power</b>	2.250 W
<b>Chimney</b>	Standard
<b>Capacity</b>	5 L
<b>Net Weight</b>	49 kg
<b>Gross weight</b>	63 kg
<b>Max. Current</b>	10A
<b>Thermal Rate</b>	3 °C - 20 °C
<b>Heating Program</b>	8 step

<b>Heating element</b>	Fe-Cr-Al
<b>Housing Coating</b>	Epoxy powder coating
<b>Housing Material</b>	Steel Sheet
<b>Max. Temperature</b>	1250 °C
<b>Program Memories</b>	6
<b>Thermocouple Type</b>	K Type
<b>Lockable Door Handle</b>	Sidewards
<b>Measurement Accuracy</b>	± 1 °C
<b>Door Insulation Material</b>	Ceramic Fibre Board
<b>Heating Element Placement</b>	Embedded into brick walls
<b>Inner Insulation Material</b>	Insulating Fire Brick
<b>Auto Start at Certain Date</b>	Yes
<b>Heating Element Protection</b>	None
<b>Gross Dimension ( W x H x D)</b>	508 x 780 x 678 mm
<b>Temperature Control Accuracy</b>	± 1 °C (can vary at low temperatures)
<b>Front Face Insulation Material</b>	Insulating Fire Brick
<b>Inner Chamber Dimension (W x H x D)</b>	152 x 150 x 225 mm
<b>Inner Volume Temperature Homogeneity</b>	± 10 °C
<b>Product Outer Dimension (W x H x D)</b>	448 x 618 x 620 mm