



1250°C Muffle Furnace LD-LMF-D43

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Overview

LMF-D43 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:

Power	4.500 W
Chimney	Standard
Capacity	20 L
Net Weight	81 kg
Gross weight	101 kg
Max. Current	2 x 10 / 1 x 20 A
Thermal Rate	3 °C - 20 °C
Heating Program	16 step

Heating element	Fe-Cr-Al
Housing Coating	Epoxy powder coating
Housing Material	Steel Sheet
Max. Temperature	1250 °C
Program Memories	5
Thermocouple Type	K Type
Lockable Door Handle	Sidewards
Measurement Accuracy	± 1 °C
Door Insulation Material	Ceramic Fibre Board
Heating Element Placement	Embedded into brick walls
Inner Insulation Material	Insulating Fire Brick
Auto Start at Certain Date	Yes
Heating Element Protection	None
Gross Dimension (W x H x D)	606 x 950 x 728 mm
Temperature Control Accuracy	± 1 °C (can vary at low temperatures)
Front Face Insulation Material	Insulating Fire Brick
Inner Chamber Dimension (W x H x D)	250 x 200 x 395 mm
Inner Volume Temperature Homogeneity	± 10 °C
Product Outer Dimension (W x H x D)	546 x 668 x 790 mm