



Muffle Furnace LD-LMF-J54

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Overview

Muffle Furnace LD-LMF-J54 is a high-temperature laboratory furnace designed for applications requiring controlled heating. It features high-temperature-resistant polycrystalline mullite fibre insulation for accurate temperature measurement and control.

Features:

- Shell is made of metal Q235 low-carbon steel
- Side-opening furnace door structure
- Multi-layer insulation design, composed of lightweight alumina ceramic fiber and high-quality insulation board backing
- Door safety protection to cut heating power when opened

Applications:

Suitable for sintering, calcination, ceramic processing, powder metallurgy, nanomaterial research, semiconductor material processing and high-temperature heat treatment.

Specifications:

Control Mode	SCR/SSR
Heating Rate	1–15°C/min
Power Supply	220 V, 7 kW
Thermocouple	B Type
Heating Element	MoSi ₂ rods
Chamber Insulation	Polycrystalline alumina ceramic fiber
Maximum Temperature	1700°C
Programmable Periods	32 time periods
Temperature Accuracy	±1°C
Door Safety Protection	Yes
Temperature Controller	Intelligent microcomputer PID
Chamber Size (W × D × H)	250 × 320 × 250 mm
Over-temperature Protection	Yes
Thermocouple-break Protection	Yes
Continuous Working Temperature	1600°C

External Dimensions (W × D × H)	610 × 730 × 970 mm
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