

SNOL 22/1100 LHM01

High accuracy electric muffle furnace SNOL 22/1100 is a universal laboratory furnace, firing up to 1100°C and designed for material testing and heat treatment such as hardening, loosening, normalising ceramic and stoneware samples. To eliminate gases or smokes that are released during thermal processing, an exhaust system may be additionally installed in the product. The furnace is an excellent fit for scientific laboratories, educational institutions, ceramic studios, medicine and industry.

Basic model

- ✓ One piece high thermal efficiency, vacuum-formed ceramic fiber chamber,
- ✓ Heating elements, embedded in a vacuum formed fiber, are inside four walls of the chamber,
- ✓ Outside casing – metal sheet, powder painted grey,
- ✓ Door opens upwards,
- ✓ Door safety interlock switch,
- ✓ Control panel is placed in the underpart of the furnace,
- ✓ Microprocessor – temperature controller,
- ✓ Ceramic bottom plate,
- ✓ Fast heating time due to low thermal mass construction,
- ✓ Low power consumption,
- ✓ Good stability and uniformity,
- ✓ 1 year warranty.

Options

- ✓ Process observation window (o 35 mm) up to 1100 °C;
- ✓ Fan-assisted chimney for air extraction;
- ✓ Additional ceramic hearth plates;
- ✓ Buzzer;
- ✓ Programmable temperature controller;
- ✓ Digital timer for delayed start;
- ✓ Protection against overheating;
- ✓ Data recorder;
- ✓ Data communication/USB;
- ✓ Calibration of temperature measurement system;
- ✓ Table for supporting the furnace;
- ✓ Protective gas atmosphere;
- ✓ Gas box up to 1100 °C;
- ✓ Metal tray;
- ✓ Additional 1 year warranty.

Specifications

| Technical data | SNOL 22/1100 LHM01 |
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| Volume, L | 22 |
| Maximum temperature, °C | 1100 |
| Continuous operating temperature, °C | T+10-1100 |
| Power | 3 |
| Rated supply voltage, V | 230 |
| Number of phases | 1 |
| Rated frequency, Hz | 50/60 |
| Chamber material | Fiber muffle |
| Maximum heating-up time (without charge), min. | 50 |
| Temperature stability | 1 |
| Temperature uniformity | 15°C |
| Airflow | Natural |
| Chamber width, mm | 280 |
| Chamber depth, mm | 500 |
| Chamber height, mm | 160 |
| Overall width, mm | 605 |
| Overall depth, mm | 855 |
| Overall height, mm | 620 |
| Mass (Netto), kg | 59 |

