

# SNOL 3/1100 LHM01

The high-accuracy electric muffle furnace SNOL 3/1100 is a universal laboratory furnace capable of reaching temperatures up to 1100°C. It is designed for material testing and heat treatment processes such as hardening, annealing, normalizing, and treating ceramic and stoneware samples. To eliminate gases or smoke released during thermal processing, an exhaust system can be optionally installed in the product. This furnace is an excellent fit for scientific laboratories, educational institutions, ceramic studios, medical applications, and industrial use.

## 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;
- ✓ Digital PID temperature controller E5CC (1 program, 2 steps);
- ✓ 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 (ø 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 3/1100 LHM01 |
|--|-------------------|
| Volume, L                                      | 3                 |
| Maximum temperature, °C                        | 1100              |
| Continuous operating temperature, °C           | T+10-1100         |
| Power, kW                                      | 1,8               |
| 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. | 35                |
| Temperature stability                          | 2                 |
| Temperature uniformity                         | 10°C              |
| Airflow  | Natural           |
| Chamber width, mm                              | 120               |
| Chamber depth, mm                              | 200               |
| Chamber height, mm                             | 105               |
| Overall width, mm                              | 345               |
| Overall depth, mm                              | 470               |
| Overall height, mm                             | 430               |
| Mass (Netto), kg                               | 17                |

