



## MUFFLE BOX FURNACE BER1DI16

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## 1700°C CERAMIC FIBER MUFFLE FURNACE

This series of electric furnace is specially developed for sintering, melting and analysis of metal, non-metal and other compound materials in laboratories of universities, research institutes and industrial and mining enterprises.



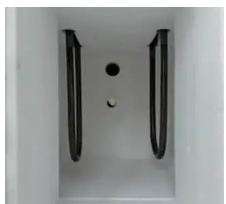
1. Mirror stainless steel mouth, long-term use will not change color. Brand door handle with lock, cover quick removal structure to facilitate the replacement of silicon molybdenum rod.
2. Vacuum forming high temperature resistant polycrystalline mullite fiber furnace, efficient heat preservation. Air jacket insulation in double housing. Double ventilation channels to ensure good ventilation and low shell temperature rise.
3. High temperature and high purity silicon molybdenum rod, long working life, good furnace temperature uniformity.
4. A full range of standard program temperature control meter, high-precision B-type sensor, voltage regulator module with all copper core transformer, stable furnace temperature control, high precision.
5. Leakage protection, thermocouple failure, open door power off, over-temperature protection.

## SPECIFICATIONS

| Model                      | BER1DI16                                                                                            |
|----------------------------|-----------------------------------------------------------------------------------------------------|
| Function                   |                                                                                                     |
| --Temp Range               | Max 1700°C (Long-term max continuous operating temp 1650°C)                                         |
| --Temp Accuracy            | ±1°C                                                                                                |
| --Temp Resolution Ratio    | 1°C                                                                                                 |
| --Temperature Rise Time    | ≤140 min                                                                                            |
| Structure                  |                                                                                                     |
| --Variable Hearth Volume   | High temperature resistant polycrystalline mullite fibre                                            |
| --Exterior                 | Cold-rolled steel plate, surface spray treatment                                                    |
| --Chamber Size             | 300*200*200                                                                                         |
| --Heater                   | High temperature resistant silicon molybdenum rod                                                   |
| --Heating Power            | 10kW                                                                                                |
| Controller                 |                                                                                                     |
| --Temp Control             | 7.0 inch touch screen program temperature controller, with curve view, U disk data storage function |
| --Temperature Control Mode | Intelligent microcomputer PID control                                                               |
| --Setting Method           | touch operation                                                                                     |
| --Timer                    | 0-9999 minutes                                                                                      |
| --Operation Function       | Fixed value running or program running                                                              |
| --Sensor                   | Type B thermocouple                                                                                 |
| --Additional Function      |                                                                                                     |
| Safety Device              | Over temperature alarm, leakage protection, door off heating                                        |
| Specification              |                                                                                                     |
| --Exterior Size            | 750*865*1150                                                                                        |
| --Packing Size             | 910*1045*1360                                                                                       |
| --Inner Volume             | 12L                                                                                                 |
| --Power Supply             | AC380V/50Hz                                                                                         |
| --NW/GW                    | 150/170                                                                                             |
| Addable Configuration      | Charging port                                                                                       |
| Alt Name                   | 30 Segment 7.0-inch Touch screen                                                                    |

## FEATURES

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3. High temperature and high purity silicon molybdenum rod, long working life, good furnace temperature uniformity.
4. A full range of standard program temperature control meter, high-precision B-type sensor, voltage regulator module with all copper core transformer, stable furnace temperature control, high precision.
5. Leakage protection, thermocouple failure, open door power off, over-temperature protection, over-temperature sound and light alarm lamp - a number of safety protection measures to ensure the safety of the experiment.
6. Standard heat insulation gloves, crucible pliers, alumina bearing plate.





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