

# 1800°C High Temperature Muffle Oven Furnace For Laboratory

Item Number: KT-18M



## Introduction

KINTEK Muffle Furnaces: Precision 1800°C heating for labs. Energy-efficient, customizable, with PID control. Ideal for sintering, annealing, and research.

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| Furnace model                                |                      | KT-18M                                             |                      |
|----------------------------------------------|----------------------|----------------------------------------------------|----------------------|
| Max. temperature                             |                      | 1800℃                                              |                      |
| Constant work temperature                    |                      | 1700℃                                              |                      |
| Chamber material                             |                      | Japan alumina fiber                                |                      |
| Heating element                              |                      | Molybdenum Disilicide                              |                      |
| Heating rate                                 |                      | 0-20℃/min                                          |                      |
| Temperature sensor                           |                      | B type thermal couple                              |                      |
| Temperature controller                       |                      | Digital PID controller/Touch screen PID controller |                      |
| Temperature control accuracy                 |                      | ±1℃                                                |                      |
| Temperature uniformity                       |                      | ±5℃                                                |                      |
| Electric power supply                        |                      | AC110-220V,50/60HZ                                 |                      |
| Standard Chamber Sizes Stocks                |                      |                                                    |                      |
| Chamber size (mm)                            | Effective volume (L) | Chamber size (mm)                                  | Effective volume (L) |
| 100x100x100                                  | 1                    | 300x300x400                                        | 36                   |
| 120x120x130                                  | 2                    | 400x400x400                                        | 64                   |
| 150x150x200                                  | 4.5                  | 500x500x500                                        | 125                  |
| 200x200x200                                  | 8                    | 600x600x600                                        | 216                  |
| 200x200x300                                  | 12                   | 800x800x800                                        | 512                  |
| Customer design sizes and volume is accepted |                      |                                                    |                      |

| No. | Description          | Quantity |
|-----|----------------------|----------|
| 1   | Furnace              | 1        |
| 2   | Thermal block        | 1        |
| 3   | Crucible tong        | 1        |
| 4   | Heat resistant glove | 1        |
| 5   | Operation manual     | 1        |