



### Special Features:

- Digital single set point temperature **950°C to 1800°C**
- Ceramic wool insulation permits faster heat up, reducing energy consumption
- Door safety switch stops power to heating elements when door is opened.
- Equipped with thermocouple break protection, that helps preventing thermocouple failure runaway condition

| Specifications:        |  |
|------------------------|--|
| Temperature Range      | 950°C to 1800°C                            |
| Temperature Uniformity | ± 1°C                                      |
| Rise Time (to 1050°C)  | 25 Minutes                                 |
| Power                  | 220 Volt / 50/Hz                           |
| Temperature Control    | LCD / LED Microprocessor Control System    |
| Outer Chamber          | M. S. Steel / S.S                          |
| Inner Chamber          | Ceramic w/ high grade ceramic instillation |
| Heater                 | Kanthal A1/ Silicon Carbide Rod / MoSi2    |
| Digital Timer          | Optional                                   |
| Safety Fuse            | Thermocouple Fuse                          |

# Muffle Furnace, MTMF02

When comes to choose finest quality muffle furnace Meditech presents a nice selection of laboratory furnace, portable furnace, industrial furnace, bench top furnace and more. Designing and manufacturing custom muffle furnace is our specialty.

Meditech Scientific presents a wide range of general purpose bench top **laboratory muffle furnace** and **industrial furnace**, especially built for laboratories and production industries where accuracy and safety are foremost requirements. These **muffle furnace models** are durable from top to bottom, energy efficient and perfectly work in tough conditions.

## Material of Construction:

- Light weight with ceramic wool insulation (instead of Brick insulation).
- The outer casting is made of double walled thick PCRC sheet, duly painted with attractive stove enamel.
- Heating elements are made of **Molybednum Disilicide (MoSi<sub>2</sub>)** backed by high temperature cerwool insulation, which avoids loss of energy.
- The temperature control unit consists of Energy regulator, fitted in front of the furnace with two pilot lamps.
- The apparatus is complete with one pyrometer, thermocouple, silver thermal fuse, and main lead with power plug. To work on 220/230Volts AC or 400/440 Volts AC.

We are supplying our **standard muffle furnace models** which are designed for maximum temperature of **1800°C** as well as we also expertise in manufacturing of customized furnace and also export them to various countries. Let's take a tour of special features of our muffle furnace which make them model perfect for laboratories and scientific researches. Our muffle furnace models are available in various sizes and we also manufacture **customized designs** as per customer requirements.

| Available Sizes:         |              |                   |
|--------------------------|--------------|-------------------|
| Dimension ( W x D x H)mm | Wattage (KW) | Power Consumption |
| 100 x 100 x 225          | 1.5          | 7 Amp             |
| 125 x 125 x 250          | 2.0          | 8 Amp             |
| 150 x 150 x 300          | 3.0          | 13 Amp            |
| 125 x 175 x 475          | 4.0          | 18 Amp            |
| 175 x 175 x 475          | 4.5          | 20 Amp            |
| 200 x 200 x 300          | 5.0          | 24 Amp            |

Note: These are instant available sizes; we also manufacture larger size or any specific one meeting individual requirements.

