

# Data Sheet

## Model: TMTH14/50x4/350 Multi Tube/Pre Heat Furnace



### INTRODUCTION

The **TMTH14** Multi Tube/Pre Heat Furnace is designed to bake crucibles to improve the quality of samples by the removal of impurities thereby improving the accuracy of the analytical results.

The TMTH14 allows the operator to burn off crucibles in four combustion tubes simultaneously, which increases productivity up to four times.

For consistent and reliable results in various analytical applications, the TMTH14 offers precise temperature control and uniform heating.

Multi Tube Furnace is used for Preheating and other applications



TMTH14/50x4/350

### SPECIFICATIONS

**Maximum Furnace Temperature:** 1400 °C

**Continuous Operating Temperature:** 600 °C to 1350 °C

- | This is a stylish bench mounted furnace with integral controls mounted at its base and fitted with a shelf to store the crucibles.
- | The combustion tubes are designed with both ends open, allowing for easy manual loading of crucibles from the front and unloading from the rear.
- | Inner diameter of tube is 50mm for baking crucibles, samples and fluxes.
- | Work tubes are not included with the furnace and must be purchased separately, as they are essential accessories.
- | The high quality and high efficiency insulation for faster heating and cooling.
- | Equipped with high quality heating elements designed to achieve fast ramp rates.
- | "K" type thermocouple for precise temperature measurement.
- | High end microprocessor PID temperature controller.
- | Dual display temperature controller to clearly display set temperature and actual temperatures.
- | Built-in independent over-temperature controller.
- | **External Dimensions (mm):** H x W x D  
690 x 360 x 720
- | Supply: 230V - 1 Phase -50Hz with N & E
- | Energy rating: 4.5kw

### OPTIONS

- | Work tubes of various materials, lengths and diameters for use in the furnace
- | Pre-Heat Furnace with a single tube is also available upon request

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