

Data Sheet

Model: TMH16(Z3)/50/450-SY

1600°C Maximum Temperature,
Three Zone Horizontal Tube Furnace



INTRODUCTION

Sylab Scientific Pvt. Ltd., under technical collaboration with Elite Thermal Systems Ltd, UK, manufactures high quality furnaces in India.

Elite Thermal Systems, based in UK, is a 30-year-old furnace manufacturing company with strong brand recognition across the globe.

Sylab Scientific delivers high-quality solutions by leveraging technical expertise and components sourced from Elite Thermal Systems Ltd, UK.

The TMH16(Z3)-SY furnace is a bench mounted tube furnace ideal for most general laboratory thermal processing applications.

The TMH16(Z3)/50-SY Three Zone Tube furnace has an internal tube diameter of 50 mm. TMH16(Z3)/50-SY range offers a choice of two heated zone lengths of 450mm & 610mm.

TMH16(Z3)/50/450-SY comes with a heated zone length of 450 mm.



TMH16(Z3)/50/450-SY

SPECIFICATIONS

Maximum Temperature: 1600°C

Maximum Continuous Temperature: 1550°C

External Dimensions (mm):	H x W x D	Net Wt.
(Nominal) TMH16(Z3)/50/450-SY	715 x 1000 x 460	60 kg

Supply: 400V– 3 Phase

Energy rating: 4.0 kW (Average)
9.3 kW (Peak)

OPTIONS

Work tubes of various materials, lengths and diameters for use in the furnace

The work tubes are available for containment of atmosphere or protection against process contaminants

A variety of triple flange gas tight end seals for work tubes to allow processing under Vacuum or gas atmospheres

Over Temperature protection controller

Multi segment, multi program storage controllers

Vertical versions are available at extra cost, which will have separate temperature console

The TMH(Z3)-SY furnaces are designed to give a longer uniform centre zone temperature than that of the single zone tube furnace models

All TMH(Z3)-SY models are controlled by retransmission of set point from the centre zone controller to the end zone controllers

This system provides a longer uniform zone temperature than that achieved by the use of single zone furnace of the same length

Protective outer mesh covers for improved operator safety

Top grade silicon carbide rods in all 3 heated zones

Energy efficient, high quality, low thermal mass insulation

A work tube is not supplied as an integral part of the furnace and therefore needs to be ordered with the furnace as it is an essential accessory

ELITE PID controller offering 8 programs with 8 segments each

Temperature Sensor: "R" type Thermocouple

Horizontal models are supplied as standard with controls in the base

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