

# Data Sheet

## Model: TMV12(Z3)/75/750-SY

1200°C Maximum Temperature,  
Three Zone Vertical 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 TMV12-SY furnace is a vertical-mounted tube furnace with a separate control console, ideal for most general laboratory thermal processing applications.

The TMV12(Z3)/75-SY Three Zone Tube furnace has an internal tube diameter of 75 mm. TMV12(Z3)/75/750-SY comes with a heated zone length of 750 mm.

Standard zone sizes: 125 mm (zone 1); 500 mm (zone 2); 125 mm (Zone 3). Other zone sizes can also be supplied.

### SPECIFICATIONS

**Maximum Temperature:** 1200°C

**Maximum Continuous Temperature:** 1150°C

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

| All TMV(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

| High grade resistance wire elements wound onto a ceramic work tube which is an integral part of the furnace

| Energy efficient, high quality, low thermal mass insulation

| Temperature Sensor: 'N' Type Sensor

| ELITE PID controller offering 8 programs with 8 segments each

| **Power Supply:** 230V – 1 Phase – 50/60Hz

| **Energy rating:** 2.7 kW



## TMV12(Z3)/75/750-SY

### OPTIONS

- | Work tubes of various materials, lengths and diameters for use in the furnace
- | Two or more zones are also available
- | Independent control of each zone is also available
- | The work tubes are available for containment of atmosphere or protection against process contaminants
- | A variety of end seals for work tubes to allow processing under vacuum or gas atmospheres
- | Multi segment, multi program storage controller
- | Over temperature protection controller
- | A wide range of furnace mounting configurations, such as Tripod stands, Wall-Mounted Brackets, L-stands, Custom Adjustable Stands, etc.

## SYLAB SCIENTIFIC PVT. LTD.

Ground Floor, B-50, Industrial Estate, Sanath Nagar, Hyderabad-500018. INDIA,  
Phone: +91 40 67216376 E-mail: [sylab@sylabscientific.com](mailto:sylab@sylabscientific.com) Website: [www.sylabscientific.com](http://www.sylabscientific.com)