

Data Sheet

Model: TSH12/50/300-SY

1200°C Maximum Temperature,
Single 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 TSH12-SY furnace is a bench mounted tube furnace ideal for most general laboratory thermal processing applications.

The TSH12/50-SY Single Zone Tube furnace has an internal tube diameter of 50 mm. TSH12/50-SY range offers a choice of two heated zone lengths of 300 mm & 610 mm.

TSH12/50/300-SY comes with a heated zone length of 300 mm.



TSH12/50/300-SY

SPECIFICATIONS

Maximum Temperature: 1200°C

Maximum Continuous Temperature: 1150°C

External Dimensions (mm):	H x W x D	Net Wt.
(Nominal) TSH12/50/300-SY	560 x 385 x 315	14 kg

Supply: 230V– 1 Phase – 50/60Hz

Energy rating: 1.7 kW.

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

Multi segment, multi program storage controller

Over temperature protection controller

The furnace design incorporates an integral elemental tube

Protective outer mesh covers for improved operator safety

High grade resistance wire wound heating Elements

Energy efficient, high quality, low thermal mass insulation

For aggressive processes, a separate work tube is recommended to minimise the risk of contaminating the elemental work tube

A rugged metal sheathed control thermocouple is protected from accidental damage and allows full use of work tube bore

Temperature Sensor: 'N' Type thermocouple

ELITE PID controller offering 8 programs with 8 segments each

Horizontal models are supplied as standard with controls in the base

Vertical versions are available which have a separate console

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