

Data Sheet

Model: TSH12/50/300

1200 °C Maximum Temperature,
Single Zone Horizontal Tube Furnace



INTRODUCTION

The TSH12 furnace is a bench mounted tube furnace ideal for most general laboratory thermal processing applications.

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

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

SPECIFICATIONS

Maximum Temperature: 1200 °C

Maximum Continuous Temperature: 1150 °C

- | 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.
- | High end Microprocessor PID controller.
- | Horizontal models are supplied as standard with controls in the base.



TSH12/50/300

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

| Supply: 230V– 1 Phase – 50/60Hz

| Energy rating: 1.7 kW.

OPTIONAL FEATURES

- | 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.

Vertical versions are available which have a separate console

Elite Thermal Systems Limited

Elite Court, 6 Stuart Road, Market Harborough, Leicestershire LE16 9PQ, UK
Tel: +44 (0)1858 469834 | E-mail: contact@elitefurnaces.com | Website: www.elitefurnaces.com