



Tube Furnace LD-LTF-D10

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Overview

Three Zonal Tube Furnace is software based PID controlled device which offers 3 internally separated heating zone within one furnace which allows easy positioning of work tube. It is equipped with LCD display, thermal shock resistant tubes and 50 mm inner tube diameter. Fe Cr Al Resistance Wire is used as heating element and K-type thermocouple tube furnaces are mostly used in heat treatment processes, including annealing, hardening, and tempering of metals and alloys.

Features:

- Software based PID controller
- Three hot zone length of 120 mm
- Homogeneous temperature distribution
- Thermal shock resistant tubes
- Purge system and gas inlet optional

Applications:

Tube furnace is used for purification, coating, drying, hardening or ageing of samples, for annealing, brazing, calcination, degassing, sintering, soldering, sublimation, synthesis, and tempering, thermocouple calibration, in the testing of fuel cells, or in catalyst research.

Specifications:

Power	2500 W
Control	Software Based PID Control
Display	4x20 LCD
Software	Software versions available
Net Weight	33 kgs
Tube Length	600 mm
Gross Weight	45 kgs
Heating Rate	3-20°C/min
Max. Current	10 A
Heating Element	Fe Cr Al Resistance Wire
Heating Program	4 steps
Housing Coating	Epoxy powder coating
Hot zone length	3 x 120 mm

Housing Material	Steel sheet
Thermocouple Type	K Type
Measurement Accuracy	±1°C
Tube Inner Dimension	50 mm
Tube outer Dimension	60 mm
Custom Preset Program	4
Inner Insulation Material	Ceramic Fiber Blanket
Tube Material Description	Type C610 (DIN VDE 0335) Al ₂ O ₃ content 60%
Gross Dimensions W x L x D	900 x 500 x 650 mm
Temperature Control Accuracy	±1°C
Product Outer Dimensions W x D x H	740 x 380 x 475 mm
± 10°C Homogeneous Hot Zone Length	150 mm