

Tube Furnace LD-LTF-C20

Labodam Equipment Ltd.

info@labodam.com | www.labodam.com

Tube Furnace LD-LTF-C20

Overview

Tube Furnace LD-LTF-C20 is a standard design of tube furnace comprised with 510 mm tube length, 50 mm diameter and 300 mm heat zone with 1300°C continuous working temperature. Features software based PID control with 4 lines LCD display, offers 4 steps heating program and 2 preset programs with 1 to 20°C/min of thermal rate. Designed ergonomically with dual shell housing, K-type thermocouple and thermal shock resisting tube, it can withstand extreme and rapid changes in temperature. With durable inside lining of light insulating bricks, this tube furnace is with gas inlet and evacuation system option for protective atmosphere, makes it an ideal unit for homogeneous temperature distribution and reliable protective atmosphere.

Features:

- Standard design of tube furnace design with 510 mm tube length and 50 mm diameter with 300 mm heat zone
- 1300°C continuous working temperature with 1 to 20°C/min of thermal rate
- Steps heating programs with custom preset programs
- Software based PID control with 4 lines LCD display, offers high precise control
- Designed ergonomically with dual shell housing, offers low external surface temperature
- K-type thermocouple and thermal shock resisting tube, offers accurate measurement
- Durable inside lining of light insulating bricks, can withstand extreme and rapid changes in temperature
- Gas inlet and evacuation system option for protective atmosphere
- An ideal unit for homogeneous temperature distribution and reliable protective atmosphere

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:

Type	Standard
Power	1350 W
Display	4 lines
Housing	Steel sheet with epoxy powder coating
Net weight	23 kg
Heated zone	300 mm
Tube length	510 mm
Gross weight	30 kg

Thermal rate	1 to 20°C/min
Thermocouple	K-type
Tube diameter	50 mm
Heating element	Fe-Cr-Al
Heating program	4 steps
Maximum current	7A
Program memories	2
Dimension (W×D×H)	484×384×476 mm
Working temperature	1300°C
Homogeneous Hot Zone	100 mm at ±10°C
Inner insulation material	Ceramic-fibre blanket
Packaging dimension (W×D×H)	525×430×635 mm