

Tube Furnace LD-LTF-A13

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Overview

Tube Furnace LD-LTF-A13 is an extended type tube furnace comprised with 8 step heating programs, offers continuous working temperature of 1100°C with 300 mm heated zone. Features K type thermocouples for accurate measurement and temperature control with high precision and 4 preset programs. Equipped with thermal shock resistant tubes, 4 lines LCD display, and software based PID control, this tube furnace has gas inlet and evacuation system option for protective atmosphere. Designed with dual shell housing and durable inside lining of light insulating bricks, it is an ideal unit for homogeneous temperature distribution and reliable protective atmosphere with lift up and sideways opening door possibilities.

Features:

- Extended type tube furnace comprised with 8 step heating programs
- Continuous working temperature of 1100°C with 1 to 20°C/min of thermal rate
- K type thermocouples for accurate measurement and temperature control
- Thermal shock resistant tubes to withstand extreme and rapid changes in temperature
- 4 lines LCD display with easy-to-understand menu and Programming
- Software based PID control, ensures stability and accuracy
- Gas inlet and evacuation system option for protective atmosphere
- Dual shell housing and durable inside lining of light insulating bricks
- An ideal unit for homogeneous temperature distribution and reliable protective atmosphere
- With lift up and sideways opening door possibilities
- High-efficient, stable and reliable

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	Extended
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	8 step
Maximum current	5A
Program memories	4
Dimension (W×D×H)	484×384×476 mm
Working temperature	1100°C
Homogeneous Hot Zone	100 mm at ± 10°C
Inner insulation material	Ceramic-fibre blanket
Packaging dimension (W×D×H)	525×430×635 mm