



***TUBE FURNACE LD-LTF-B1 SERIES***

## Tube Furnace LD-LTF-B10

Tube Furnace LD-LTF-B10 is a standard type of tube furnace comprised with 1200°C continuous working temperature, offers 420 mm length tube with 20 mm diameter, 250 mm heated zone with 1 to 20°C/min of thermal rate. Incorporated with software based PID control and 4 lines LCD display, it offers 4 step heating program with 2 preset program. Designed ergonomically with K-type thermocouple and thermal shock resistant tubes, it has dual shell housing and durable inside lining of light insulating bricks with gas inlet and evacuation system option for protective atmosphere.

## Tube Furnace LD-LTF-B11

Tube Furnace LD-LTF-B11 is an extended type of tube furnace comprised with 1200°C continuous working temperature, offers 420 mm length tube with 20 mm diameter, 250 mm heated zone with 1 to 20°C/min of thermal rate. Incorporated with software based PID control and 4 lines LCD display, it offers 8 step heating program with 4 preset program. Designed ergonomically with K-type thermocouple and thermal shock resistant tubes, it has dual shell housing and durable inside lining of light insulating bricks with gas inlet and evacuation system option for protective atmosphere.

## Tube Furnace LD-LTF-B12

Tube Furnace LD-LTF-B12 is an ultimate type of tube furnace comprised with 1200°C continuous working temperature, offers 420 mm length tube with 20 mm diameter, 250 mm heated zone with 1 to 20°C/min of thermal rate. Incorporated with software based PID control and 4 lines LCD display, it offers 16 step heating program with 6 preset program. Designed ergonomically with K-type thermocouple and thermal shock resistant tubes, it has dual shell housing and durable inside lining of light insulating bricks with gas inlet and evacuation system option for protective atmosphere.

## Tube Furnace LD-LTF-B13

Tube Furnace LD-LTF-B13 is a scientific type of tube furnace comprised with 1200°C continuous working temperature, offers 420 mm length tube with 20 mm diameter, 250 mm heated zone with 1 to 20°C/min of thermal rate. Incorporated with software based PID control and 4 lines LCD display, it offers 32 step heating program with 5 preset program. Designed ergonomically with K-type thermocouple and thermal shock resistant tubes, it has dual shell housing and durable inside lining of light insulating bricks with gas inlet and evacuation system option for protective atmosphere.

### **Tube Furnace LD-LTF-B14**

Tube Furnace LD-LTF-B14 is a standard type of tube furnace comprised with 1200°C continuous working temperature, offers 660 mm length tube with 38 mm diameter, 450 mm heated zone with 1 to 20°C/min of thermal rate. Incorporated with software based PID control and 4 lines LCD display, it offers 4 step heating program with 2 preset program. Designed ergonomically with K-type thermocouple and thermal shock resistant tubes, it has dual shell housing and durable inside lining of light insulating bricks with gas inlet and evacuation system option for protective atmosphere.

### **Tube Furnace LD-LTF-B15**

Tube Furnace LD-LTF-B15 is an extended type of tube furnace comprised with 1200°C continuous working temperature, offers 660 mm length tube with 38 mm diameter, 450 mm heated zone with 1 to 20°C/min of thermal rate. Incorporated with software based PID control and 4 lines LCD display, it offers 8 step heating program with 4 preset program. Designed ergonomically with K-type thermocouple and thermal shock resistant tubes, it has dual shell housing and durable inside lining of light insulating bricks with gas inlet and evacuation system option for protective atmosphere.

### **Tube Furnace LD-LTF-B16**

Tube Furnace LD-LTF-B16 is an ultimate type of tube furnace comprised with 1200°C continuous working temperature, offers 660 mm length tube with 38 mm diameter, 450 mm heated zone with 1 to 20°C/min of thermal rate. Incorporated with software based PID control and 4 lines LCD display, it offers 16 step heating program with 6 preset program. Designed ergonomically with K-type thermocouple and thermal shock resistant tubes, it has dual shell housing and durable inside lining of light insulating bricks with gas inlet and evacuation system option for protective atmosphere.

### **Tube Furnace LD-LTF-B17**

Tube Furnace LD-LTF-B17 is a scientific type of tube furnace comprised with 1200°C continuous working temperature, offers 660 mm length tube with 38 mm diameter, 450 mm heated zone with 1 to 20°C/min of thermal rate. Incorporated with software based PID control and 4 lines LCD display, it offers 32 step heating program with 5 preset program. Designed ergonomically with K-type thermocouple and thermal shock resistant tubes, it has dual shell housing and durable inside lining of light insulating bricks with gas inlet and evacuation system option for protective atmosphere.

## Features

- Different type of tube furnace with 1200°C continuous working temperature
- Tube furnace design offer 250 mm of heated zone with 1 to 20°C/min of thermal rate
- Tube furnace design offer 450 mm of heated zone with 1 to 20°C/min of thermal rate
- Software based PID control with 4 lines LCD display, ensures precision and reliability
- Ergonomic design with step heating program and custom preset programs
- K-type thermocouple and thermal shock resistant tubes
- Dual shell housing and durable inside lining of light insulating bricks
- Gas inlet and evacuation system option for protective atmosphere
- High-efficient, precise, stable and reliable with easy and convenient operation

## 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

Model No.	LD-LTF-B10	LD-LTF-B11	LD-LTF-B12	LD-LTF-B13
Type	Standard	Extended	Ultimate	Scientific
Program memories	2	4	6	5
Heating program	4 steps	8 steps	16 steps	32 steps
Working temperature	1200 °C			
Tube length	420 mm			
Tube diameter	20 mm			
Heated zone	250 mm			
Thermal rate	1 to 20 °C/min			
Homogeneous Hot Zone	84 mm at ±10 °C			
Thermocouple	K-type			
Heating element	Fe-Cr-Al			

Inner insulation material	Ceramic-fibre blanket
Housing	Steel sheet with epoxy powder coating
Display	4 lines
Maximum current	5 A
Power	1100 W
Dimension (W×D×H)	424 x 315 x 420 mm
Net weight	14 kgs
Packaging dimension (W×D×H)	470 x 361 x 579 mm
Gross weight	20 kgs

Model No.	LD-LTF-B14	LD-LTF-B15	LD-LTF-B16	LD-LTF-B17
Type	Standard	Extended	Ultimate	Scientific
Program memories	2	4	6	5
Heating program	4 steps	8 steps	16 steps	32 steps
Working temperature	1200 °C			
Tube length	660 mm			
Tube diameter	38 mm			
Heated zone	450 mm			
Thermal rate	1 to 20 °C/min			
Homogeneous Hot Zone	150 mm at ±10 °C			
Thermocouple	K-type			
Heating element	Fe-Cr-Al			
Inner insulation material	Ceramic-fibre blanket			
Housing	Steel sheet with epoxy powder coating			
Display	4 lines			
Maximum current	7 A			
Power	1350 W			
Dimension (W×D×H)	634 x 369 x 464 mm			
Net weight	27 kgs			

Packaging dimension (W×D×H)	675 x 415 x 623 mm
Gross weight	35 kgs