



Tube Furnace LTF-B1 Series

Tube Furnace LTF-B10

Tube Furnace 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 LTF-B11

Tube Furnace 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 LTF-B12

Tube Furnace 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 LTF-B13

Tube Furnace 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 LTF-B14

Tube Furnace 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 LTF-B15

Tube Furnace 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 LTF-B16

Tube Furnace 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 LTF-B17

Tube Furnace 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 types of tube furnace with 1200°C continuous working temperature
- ❑ Tube furnace designs offer 250 mm of heated zone with 1 to 20°C/min of thermal rate (LTF-B10 to LTF-B13)
- ❑ Tube furnace design offers 450 mm of heated zone with 1 to 20°C/min of thermal rate (LTF-B14 to LTF-B17)
- ❑ 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

Application

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 (LTF-B10 to LTF-B13)

Model	LTF-B10	LTF-B11	LTF-B12	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 (WxDxH)	424x315x420 mm
Net weight	14 kg
Packaging dimension (WxDxH)	470x361x579 mm
Gross weight	20 kg

Specifications (LTF-B14 to LTF-B17)

Model	LTF-B14	LTF-B15	LTF-B16	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)	634×369×464 mm
Net weight	27 kg
Packaging dimension (W×D×H)	675×415×623 mm
Gross weight	35 kg