



TUBE FURNACE LTF-C1 SERIES

Tube Furnace LTF-C10

Tube Furnace LTF-C10 is a standard type of tube furnace comprised with 1300°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-C11

Tube Furnace LTF-C11 is an extended type of tube furnace comprised with 1300°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-C12

Tube Furnace LTF-C12 is an ultimate type of tube furnace comprised with 1300°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-C13

Tube Furnace LTF-C13 is a scientific type of tube furnace comprised with 1300°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-C14

Tube Furnace LTF-C14 is a standard type of tube furnace comprised with 1300°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-C15

Tube Furnace LTF-C15 is an extended type of tube furnace comprised with 1300°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-C16

Tube Furnace LTF-C16 is an ultimate type of tube furnace comprised with 1300°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-C17

Tube Furnace LTF-C17 is a scientific type of tube furnace comprised with 1300°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 1300°C continuous working temperature
- ❑ Tube furnace designs offer 250 mm of heated zone with 1 to 20°C/min of thermal rate (LTF-C10 to LTF-C13)
- ❑ Tube furnace design offers 450 mm of heated zone with 1 to 20°C/min of thermal rate (LTF-C14 to LTF-C17)
- ❑ 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-C10 to LTF-C13)

Model	LTF-C10	LTF-C11	LTF-C12	LTF-C13
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-C14 to LTF-C17)

Model	LTF-C14	LTF-C15	LTF-C16	LTF-C17
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 (WxDxH)	634x369x464 mm
Net weight	27 kg
Packaging dimension (WxDxH)	675x415x623 mm
Gross weight	35 kg