

Digital Type Laboratory Muffle Furnace

Lab Solution India is a leading Indian manufacturer of muffle furnaces for laboratory use with temperature range 800°C to 1400°C. As required, we provide both ready made (ready stock) and customized muffle furnace systems to our customers worldwide. These laboratory muffle furnace units are utilized in general purpose heating in laboratories, ashing tests on wool, rubber, fibers or fabrics, heat treatment requirements for gears and various research facilities in chemistry and physics.

Muffle Furnace Applications:

- Ignition tests :Gravimetric analysis
- Heat treating steel parts and Gears: Heat treating Gears
- Coal sampling :Quench testing
- Organic and inorganic ashing :Research facilities in chemistry
- Chemical analysis : Annealing loss determination
- soils & aggregates cement Testing : Development of coatings and ceramics
- Glass blowing lab : Rice laboratory
- Plastic tensile strength test : Stoneware samples firing



Features

Of Digital Type Laboratory Muffle Furnace



Sturdy construction for long term use	Compact in design and space saving
Available with 800°C to 1400°C temperature	Safe and trouble free performance
Microprocessor PID controller	Over temperature and short circuit breaker .
High ceramic fiber blanket and board insulation	Ventilation or chimney at the back
Only branded heating elements are used	Uniform heating inside chamber
CE and ISO marked	

Temperature Range:

To meet unique needs of every application, our muffle furnaces or box furnaces are available in temperature range from 800°C to 1400°C (800°C, 1100°C, 1200°C and 1400°C)

Safety Features:

These systems are microprocessor controlled programmable muffle furnaces that offer easy and safe operation even at high temperature. These systems are designed with your safety in mind. Multi-layered insulation keeps external surfaces (cabinet) cool to the touch. Door safety switch (optional accessory) stops power to heating elements when door is opened.

Standard inner chamber size :

Dimension(Inches)	4x4x9	5x5x10	5x5x12	6x6x12	8x8x12	12x12x12	18x18x18
Volume(Liter)	2	4	5	7	13	28	96

SPECIFICATIONS

Of Digital Type Laboratory Muffle Furnace:



Model	LSI/125/FR	LSI/125/FRR	LSI/MF/1450
Max. Temperature	900°C	1100°C	1450°C
Working Temperature	800°C	1000°C	1350°C
Heating Element	Kanthal A -1		Silicon Carbide(SiC)
Temperature Accuracy	+/- 1°C (+/- 1.8°F)		
Temperature Controller	PID controller		
Display	LED / LCD Display		
External Chamber Construction	MS with Powder Coating		
Insulation	Ceramic wool insulation		
Alarm	Audible & Visual type		
Power Supply	220 / 440 Volts		
Certification	ISO & CE		
Optional Accessories	<ul style="list-style-type: none"> - Provision for Printer - Data logger - Safety switch on door - Temperature Chart Recorder - Extra port for gas - Extra heating element & rod with clips - Extra thermocouple - Tongs - Gloves 		

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