

RECTANGULAR MUFFLE FURNACE (1000°C)

THE PLT-240 SERIES

APPLICATIONS

- “TANCO” Rectangular Muffle Furnace is elegantly designed in various applications for R&D labs, Chemical Industries, Pharma & Foundries for making ash for chemical analysis.
- Low Cost option for heating the material on high temperature.

SALIENT FEATURES AND CONTRUCTION

- Outer casing is made of thick Mild Steel duly powder coated.
- Light weight with ceramic fiber wool insulation (instead of Brick insulation).
- Heating elements are made of KANTHAL “A-1” wire.
- Thermal loss is prevented by ceramic fiber insulation in space between the outer body & heating chamber.
- Fitted with heavy hinges & door is duly insulated.
- Maximum working temperature range upto 900°C are fitted with wounded muffle.
- Maximum Temperature is 1000°C and working temp. 900°C.
- Fitted with thermocouple & silver fuse for protection of chamber.
- Temperature is controlled by energy regulator with display of temperature on pyrometer fitted on panel with an accuracy of $\pm 5\%$.
- Temperature is controlled by electronic digital temperature indicator cum controller from 50°C to 900°C, $\pm 5^{\circ}\text{C}$ fitted on the front panel for easy operations. (Optional).
- Temperature is displayed by Digital LED with SV and PV display at front of the Furnace (Optional).
- Front Panel is provided with
- ON/OFF switch, sun Vic energy regulator, pyrometer and indicators.
- Supplied with cord and plug.
- Operating Voltage: 220 Volts AC (50 Hz).



TECHNICAL SPECIFICATIONS & ORDERING INFORMATION

Model No:	RMF 1	RMF 2	RMF 3	RMF 4	RMF 5	RMF 6
Inner Chamber in mm (W x H x D)	100 x 100 x 225	125 x 125 x 250	150 x 150 x 300	125 x 175 x 475	175 x 175 x 475	200 x 200 x 300
Inches Conversion	4 x 4 x 9	5 x 5 x 10	6 x 6 x 12	5 x 7 x 19	7 x 7 x 19	8 x 8 x 12
Rating in KW	1.5	2.5	3.0	4.0	4.5	5.0
Temperature Range	Maximum Temperature is 1000°C and working temp. 900°C					
Heating	By Embedded heater run around the chamber					
Temp. Controller	By energy regulator for furnace fitted with pyrometer					
Temp. Sentivity	±5% by energy regulator & ± 5°C by digital electronic controller					
Relay	Solid state electronic relay with protective heat sink.					
Voltage	Operating Voltage: 220 Volts AC (50 Hz)					

OPTIONAL FEATURES

Controlling of Temperature	By Profile (Micro Programmable Controller)
Communication Port	RS – 485 with Window based software
LCD control with Data Logger	(16 x 2) with optional RS-485 communication ports, cables, window based software with inbuilt data recording.