



**Presto Stantest Pvt. Ltd.**

I-42, DLF Industrial Area Phase-1, Delhi Mathura Road, Faridabad 121003, Haryana, India  
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## Muffle Furnace



### Model No. MF-4(900)

**Muffle Furnace** is a unique test cabinet designed to detect the percentage of ash content in a particular test specimen like rubber, elastomers. It is Bench top model and is used to evaluate the amount of inorganic compound in a test material.

- Temperature sensing through J-type sensor.
- Highly accurate test results under uniform temperatures.
- PID Control for Temperature.
- High Grade density imported Glass Wool Blanket insulation.
- Maximum Thermal Efficiency by insulation means.
- SSR based heaters.
- Auto tuning Advance PID controller





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PRESTO Muffle Furnace comes with heaters and insulation maintaining heating efficiency and uniform temperature. It is applied in growing fields of Medical research, agricultural, industrial, metal treatment, ash determination & wool industries.

## Key Specifications:

Inner Chamber Size*	<ul style="list-style-type: none"><li>• 4 x 4 x 9 Inch</li><li>• 5 x 5 x 10 Inch</li><li>• 6 x 6 x 12 Inch (Other size available)</li></ul>
Display	7 Segment LED display
Accuracy	± 5°C
Least Count/Resolution	1°C
Sensor	J-type/K-type as per selection of range
Power	20A, 220VAC, Single phase, 50 Hz
Timer Range**	Upto 999 hrs (Timer optional)
Temperature Range	Ambient to 900°C, 1200°C & 1400°C as on request

\* Selectable as per requirement. Other sizes available on request

## Highlights:

Insulation	High grade ceramic insulation
Handle	Yes
Exhaust Port	Yes
Material	Mild Steel (Outer Body) Ceramic Brick (Inner Body)
Finish	Powder coated Havel Grey & Blue combination finish and bright chrome / zinc plating for corrosion resistant finish

**Accessories :** Gloves, Tonge Set, Crucible

### Optional Features:

Other Size and temperature range available.

Timer available on request

Prima Series Muffle Furnace also available

### Calculation

Ash, % by weight =  $100 \frac{a-x}{b-x}$

Where,

A= Weight in g of the crucible and the ash (w3)

B= weight in g of the crucible and the material (W1)

X= weight in g of the crucible (W2)

Make three determinations and report maximum, minimum and average.

