





Laboratory Furnace







EIE-108

Anything turns in to Ash



 Agriculture	 Chemical
 Mines & Geology	 Research



 Water	 Food & Beverages
 Soil	 Pharmaceutical
 Tiles Ceramics	 Petroleum & Lubricant

- 21-CFR compliance software with PC communication.
- Optional PLC and HMI control system.
- Onsite validation for 24 hours.
- GSM alert through SIM card.

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APPLICATION

- Ashing organic, inorganic samples.
- Heat treating small steel parts.
- Ignition tests.
- Gravimetric analysis.
- Determination of volatile and suspended solids.
- Material testing.
- Pre-heating, annealing, sintering, melting, incinerating.
- Drying

CONSTRUCTION

- Exterior** : Heavy Gauge CRC sheet OR with Stainless steel 304 (GMP model) with appropriate ventilation.
- Chamber** : Muffle baked at 1500° C
- Insulation** : Light weight, Ceramic fibre wool of superior quality, highly resistive to temperature. Exterior having a ventilation/Louvers for Air insulation and Aesthetic look.
- Finish** : Hard powder coated in pleasant shade.

DESCRIPTION

- Front Panel** : Mains Switch, Indicating Lamps for Mains & Control, Micro Controller etc.
- Heaters** : Kanthal Heating Elements of superior quality.
- Temp. Control** : Universal Micro Controller, PID type, with advanced functions.
- Temp. Range** : Max. 1200° C., Working 1150° C.
- Accuracy** : ± 1% of range.
- Display** : Digital.
- Sensor** : "K" Type Cr / Al Thermo couple.

POWER SUPPLY

230 Volts AC.

OPTIONAL AT EXTRA COAST

- Exterior** : Outer casing fabricated from Heavy Gauge Stainless steel.
- Buzzer** : Audio indication in case of set value deviation beyond limit and or to Indicate completion of set time.
- PC Attachment** : RS 232 interface with software. Facilitates record and printouts of the temp. V/s time. (Supplied without computer and printer).
- Door Switch** : Switch Shuts off the furnace on opening the door. Safe for the operator.
- Programmable** : Multiple Ramp/Soak Programmable PID Temperature Controller.
- Ancillaries** : Platinum crucible/Silica-quartz crucible/crucible tong/platinum tipped tong.

Technical Details of Different Sizes of Furnace

Inner chamber size (mm) (Hx W x D)	Power consumption (Kw)	Approximate Weight (Kgs)	Digital Model Numbers (EIE-108DP)	Digital GMP Model Numbers (EIE-108DG)
225 x 100 x 100 (9" x 4" x 4")	1.5	60	EIE-108DP2.25	EIE-108DG2.25
250 x 125 x 125 (10" x 5" x 5")	2.0	71	EIE-108DP4	EIE-108DG4
300 x 150 x 150 (12" x 6" x 6")	3.0	82	EIE-108DP7	EIE-108DG7
300 x 200 x 200 (12" x 8" x 8")	5.0	115	EIE-108DP12	EIE-108DG12
450 x 225 x 225 (18" x 9" x 9")	6.0	125	EIE-108DP23	EIE-108DG23

D : Digital | G : GMP | P : Powder coating

Data & Design are subject to change without notice.



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