





# Laboratory Furnace







## EIE-1501

*Anything turn in to Ash*



 Agriculture	 Chemical
 Mines & Geology	 Research



 Water	 Food & Beverages
 Soil	 Pharmaceutical
 Tiles Ceramics	 Petroleum & Lubricant

# Laboratory Furnace

## EIE-1501

Anything turn in to Ash

### 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

Sr. No.	Working Chamber Size (Inches) (D X W X H)	Over all Dimensions Size (Inches) (D X W X H)	Ratings (kw)	Approximate Weight
1.	9 X 4 X 4	21 X 17 X 23	1.5	60 kg
2.	10 X 5 X 5	22 X 18 X 24	2.0	71 kg
3.	12 X 6 X 6	24 X 20 X 25	3.0	82 kg
4.	12 X 8 X 8	24 X 24 X 30	5.0	115 kg
5.	18 X 9 X 9	30 X 25 X 31	6.0	125 kg

Data & Design are subject to change without notice.



Mfg. by :

**vindish**  
instruments pvt. ltd.

B-14, 15, 16, Zaveri Industrial Estate, Opp. Shyam Villa,  
Singarva - Kathwada Road, Ahmedabad-382 430.  
Ph. : (079) 6604 0619, 6604 0660 • Fax : (079) 6604 0600



Mktd. by :

**EIE INSTRUMENTS PVT. LTD.**  
(An ISO 9001 : 2008 Certified Company)

1001-1002, Span Trade Centre, Opp. Kochrab Ashram,  
Paldi, Ahmedabad-380 006. • Ph. : (079) 26211234, 9904301464  
Fax : (079) 26584099 • Email : chintan@eieinstruments.com?  
Website : www.eieinstruments.com