



## DETERMINATION OF FROST RESISTANCE-(BIS 13630-10, EN ISO 10545-12)

### Compliance standards:

EN ISO 10545-12, ASTM C1026, IS 13630  
(Part-10) (amended in 2019)

### Salient features:

1. Suitable for tile size up to **500 X 500 mm**
2. Designed to match the **IS : 13630 (part 10) and EN ISO 10545-12**
3. Capable to conduct automated freeze thaw cycle automatically
4. Capable to reduce temperature from **5°C to (- 5°C) within the permissible limit of 0.5 °C and capable to maintain the temperature @ (-5 °C) for 15 mins automatically. After that it has facility to reach (+5 °C) rapidly.** This is the completion of one freeze-thaw cycle.
5. Capable to conduct the pre decided freeze-thaw cycles(**100 cycle as per BIS 13630**)
6. **Fully automatic touch screen PLC - HMI based programming**
7. CFC free refrigeration system
8. Heavy duty Castor wheels for easy movement
9. Fin & Tube type air-cooled condenser
10. Double Gasket system for leak proof Design
11. Heavy duty hinges with toggle type
12. **Auto removal of water as soon as temperature reaches to 5 °C, while operating in freezing cycle.**
13. **Auto insertion of water as soon as temperature reaches to 5 °C, while operating in thawing cycle.**



### Technical Specification

•Exterior body	: Mild steel
•Inner Chamber	: Duly Polished 304 Grade Stainless Steel inner chamber
•Paint	: Powder coating in attractive shades
•Insulation	: Polyurethane Insulation (PUF)
•Temperature Control	: Microprocess based PID Digital temperature controller cum indicator

#### Corporate Office:

A-1301, BVR Ek, Opp. Hotel Inder Residency,  
Near Gujarat College, Ellisbridge,  
Ahmedabad-380 006.  
Phone : (079) 6621 1234  
Website : [www.eieinstruments.com](http://www.eieinstruments.com)

#### Calibration Laboratory:

B-14, Zaveri Industrial Estate, Opp. Shyam Villa,  
Singarva-Kathwada Road,  
Kathwada, Ahmedabad-382 430.  
Phone : (079) 6604 0660 • Fax : (079) 6604 0600  
E-mail : [info@eieinstruments.com](mailto:info@eieinstruments.com)

GST TIN No. : 24AABCE4018L1ZU  
I.T. PAN No. : AABCE 4018L  
IEC No. : 0813026598 Dt. 04/03/2014  
CIN No. : U29199GJ2004PTC045078  
TAN No. : AHME00572F



# EIE INSTRUMENTS PVT. LTD.

(An ISO 9001:2015 Certified Company)

- Temperature sensor : PT - 100 sensor
- Temperature Accuracy :  $\pm 0.5^{\circ}\text{C}$
- Temperature Range :  $(-5^{\circ}\text{C})$  to  $(+5^{\circ}\text{C})$
- Temperature Resolution :  $0.1^{\circ}\text{C}$
- Mobility : On castor wheels
- Refrigeration System : EMERSON/DANFOSS Make, CFC Free system

#### Corporate Office:

A-1301, BVR Ek, Opp. Hotel Inder Residency,  
Near Gujarat College, Ellisbridge,  
Ahmedabad-380 006.  
Phone : (079) 6621 1234  
Website : [www.eieinstruments.com](http://www.eieinstruments.com)

#### Calibration Laboratory:

B-14, Zaveri Industrial Estate, Opp. Shyam Villa,  
Singarva-Kathwada Road,  
Kathwada, Ahmedabad-382 430.  
Phone : (079) 6604 0660 • Fax : (079) 6604 0600  
E-mail : [info@eieinstruments.com](mailto:info@eieinstruments.com)

GST TIN No. : 24AABCE4018L1ZU  
I.T. PAN No. : AABCE 4018L  
IEC No. : 0813026598 Dt. 04/03/2014  
CIN No. : U29199GJ2004PTC045078  
TAN No. : AHME00572F