



## CARBON BLACK DISPERSION APPARATUS - SIZE OF SCREEN 6"

### Purpose:

The dispersion of carbon is as similar to its content. The unbalanced dispersion of carbon causing cracking or crazing in material. The satisfactory dispersion of carbon presenting the best processing techniques of homogenous mixing. EIE - Carbon Black Dispersion Test Apparatus is mainly used for the determination of carbon black dispersion. It finds wide application in the plastic industry.

### Test Standard:

The instrument is manufactured as per IS 4984 & IS 4985 standards. The complete experimental set up includes - Digitally controlled hot plate with 8" diameter top and on/off switch, projection microscope with 6" diameter screen, built-in variable halogen lamp, light with special rack & pinion and mechanical arrangement.



© EIE Instruments

### Salient Features:

1. Hot plate comfortably accommodates sample.
2. Highly accurate microscope provides magnification of 100X and 450X.
3. Temperature can be adjusted as per requirement.
4. The hot plate retaining S.S. cast plate for better heat distribution makes thermal equilibrium of glass slides.
5. The tong makes very easy migration of slides from hotplate to microscope.
6. Easy experimental set up
7. Supply with essential chemicals and handy tools for operator comfort.

### Technical Specifications of Microscope

- 1) Magnification : 100X, 450X
- 2) Light source : halogen lamp 6-12 V
- 3) Screen : 6" (Inches)
- 4) Paint : Powder coating in attractive shades
- 5) Operating Voltage : 230 Volt, 50 Hz, AC Supply

### Technical Specifications of Hot Plate

- 1) Power : 1 kw

#### 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:

Survey No. 1098, Nr. Mahakali Temple,  
Opp. Primary School, Village Kubadthal,  
Tal-Daskroi, Ahmedabad-382 433.  
Phone: (079) 3520 8300  
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



- 2) Temperature range : From ambient to 200 ° C
- 3) Paint : Powder coating in attractive shades
- 4) Controlling method : Digital Temperature Controller
- 5) Operating Voltage : 230 Volt, 50 Hz, AC Supply
- 6) Top plate of Hot plate : Made of Stainless Steel Material

**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:**

Survey No. 1098, Nr. Mahakali Temple,  
Opp. Primary School, Village Kubadthal,  
Tal-Daskroi, Ahmedabad-382 433.  
Phone: (079)-3520 8300  
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