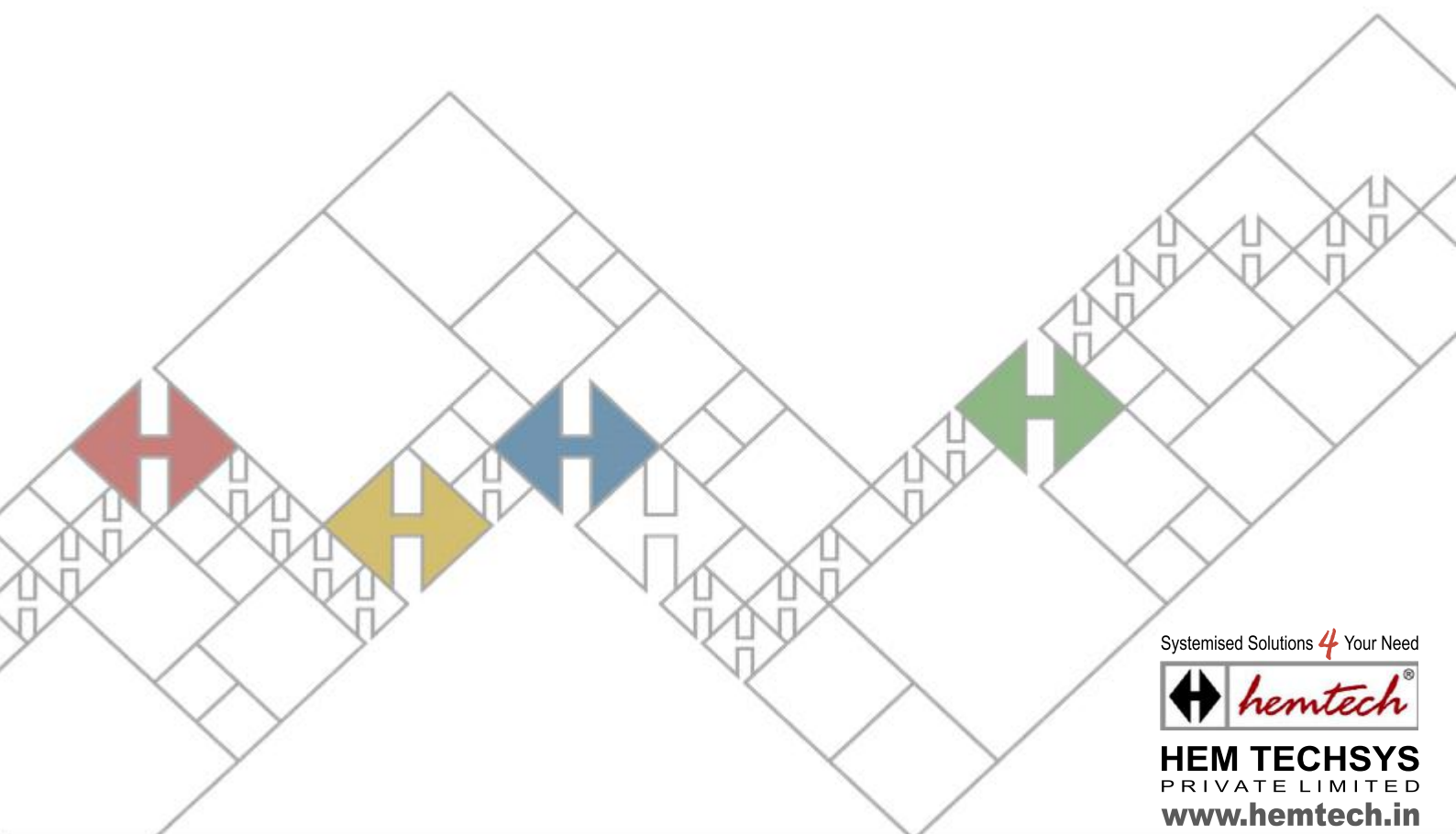


**OPTICAL PROPERTIES TESTERS**



Systemised Solutions *4* Your Need



**HEM TECHSYS**  
PRIVATE LIMITED  
[www.hemtech.in](http://www.hemtech.in)

## Colorimeters

HT – WR & WF Series Portable Colorimeters are balance of god quality and reasonable price. They are very handy and series of different models for various requirement.

### HT-WR Series

HT-WR 10

HT-WR 19

#### Models to measure

- ✓ CIELAB
- ✓ CIELCH
- ✓ CIEXYZ
- ✓ sRGB

#### Light Source

CIE recommended 8/d  
D65  
D65 A F (CWF)

**Just 700 gms**

- ✓ Economical, Efficient & Esthetic
- ✓ CIE 10° Standard Observer
- ✓ Light Source: D65
- ✓ Measuring Range: L 0 TO 100
- ✓ Sensor: Photo Diode Array
- ✓ Memory Sample Type Data: 100 Groups
- ✓ Memory Sample Test Data: 100
- ✓ TFT 2.8" (16:9) True Color Display Screen
- ✓ Interface USB / RS232
- ✓ Li-ion Battery, 5000 measurement
- ✓ Charging time 8 hours

### HT-WF Series

HT-WF 28

HT-WF 46

**Just 700 gms**

HT-WF 37

- ✓ Economical, Efficient & Esthetic
- ✓ CIE 10° Standard Observer
- ✓ Light Source: A C D50 D65 F2(CWF) F7 F11(TL84) F12(U30) Contain light way SCI SCE
- ✓ Measuring Range: L 0 TO 100
- ✓ Sensor: Photo Diode Array
- ✓ Memory Type Sample Data: 100 Groups
- ✓ Memory Test Sample Data : 20000
- ✓ Memory Whiteness / Yellowness Data : 200
- ✓ TFT 2.8" (16:9) True Color Display Screen
- ✓ Interface USB / RS232
- ✓ Li-ion Battery, 5000 measurement
- ✓ Charging time 8 hours
- ✓ **COLOR SIMULATION**
- ✓ **WHITENESS / YELLOW NESS**

#### Models to measure

- ✓ CIELAB
- ✓ CIELCH
- ✓ CIEXYZ
- ✓ Srgb
- ✓ CIELUV
- ✓ HunterLAB

#### Light Source

CIE recommended 8/d  
45/0 Optional  
LED blue excitation

## Glossmeters

### HT- GM Series

**Portable Glossmeters** are balance of god quality and reasonable price. Various models with single Angle and Tri Angle are available

Models  
HT-GM268  
Tri-Angle Gloss  
meter  
20° 60° 85°

HT-GM 60  
60°



HT-GM 45  
45°

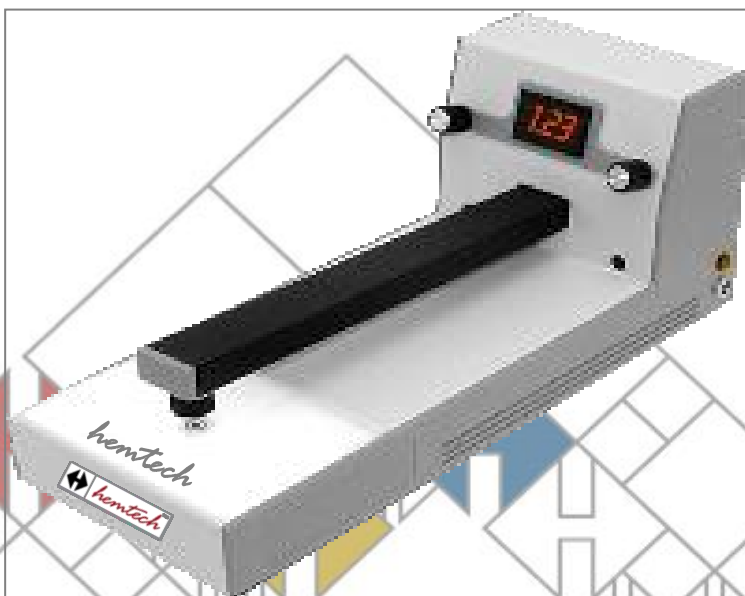


- ✓ Economical, Efficient & Esthetic
- ✓ Single Angle & tri Angle Models
- ✓ ISO-2813, ASTM-C584, ASTM-D523 ,  
DIN-67530, ASTM-D2457
- ✓ Measuring Range:
  - 20° : 0 – 2000 Gu
  - 60° : 0 – 1000 Gu
  - 85° : 0 – 160 Gu
  - 45° : 0 – 200 Gu (normally for Films)
- ✓ Resolution : 0.1 Gu
- ✓ Repeatability : 0.2 Gu

**Software Glow W available for selected models.**

## Optical Density Meter

**HT-SM10T** is Optical Density Meter suitable for measuring optical Density in transmission for the films. Being Digital, it offers easy and accurate measurement of Optical Density in transmission for Metalised Films.



- ✓ Measuring Length (throat) 7.25" (18.4cm)
- ✓ Measuring Range 0.00 to 5.00 D
- ✓ Accuracy  $\pm 0.02$  D / Repeatability  $\pm 0.01$  D
- ✓ No Warm-up Time
- ✓ Portable Power Source (2) 9-volt Alkaline Batteries (Included)
- ✓ Stationary Power A/C Wall Plug-in Power Supply
- ✓ Weight 2.5 Lbs. / 1.2 kg
- ✓ Dimensions Height: 4.5 Inches (11.4 cm) /  
Width: 4.5 Inches (11.4 cm) Length: 11  
Inches / (28 cm)

## Hazemeter

HT-HZM is simple to use Digital Light Transmission Rate and Haze Meter. Easy to operate system makes it ideal solution for the Transparency & Haze Test as per Standards. It is simple but fairly accurate. Digital Display indicates the value.

### Application

Useful for testing transparent and semi-transparent parallel plane samples (films, plastic plates, sheets, etc.) for LIGHT TRANSMITTANCE & HAZE. For liquid samples (water, drinks, etc.) determination of TURBIDITY or CLARITY.



### Features

- Desk Top system
- Confirms to ASTM D 1003
- Source : DC 12 V50W Halogen with Color temperature tabs
- **Integrating Sphere Sensor**
- Measuring area 21 mm diameter.
- LED Display
- Digital Readout (in Digital Version)
- Measurement & Calibration modes
- PC interface (Data Acquisition)
- Printer (BCD code type) output

### Specification

Mounting	:	Desk Top
International Standards Complied with	:	ASTM D 1003, JISK7105, GB2410
Range Light Transmittance	:	up to 100%
Range Haze	:	up to 30%
Minimum reading Light Transmittance	:	0.1%
Minimum reading Haze	:	0.01%
Accuracy Light Transmittance	:	+/- 1%
Accuracy Haze	:	For H ≤ 0.5%, +/- 0.1% For H > 0.5%, +/- 0.3%
Repeatability Light Transmittance	:	+/- 0.5%
Repeatability Haze	:	For H ≤ 0.5, +/- 0.05% For H > 0.5, +/- 0.1%
Electrical Supply	:	230V, 50 Hz