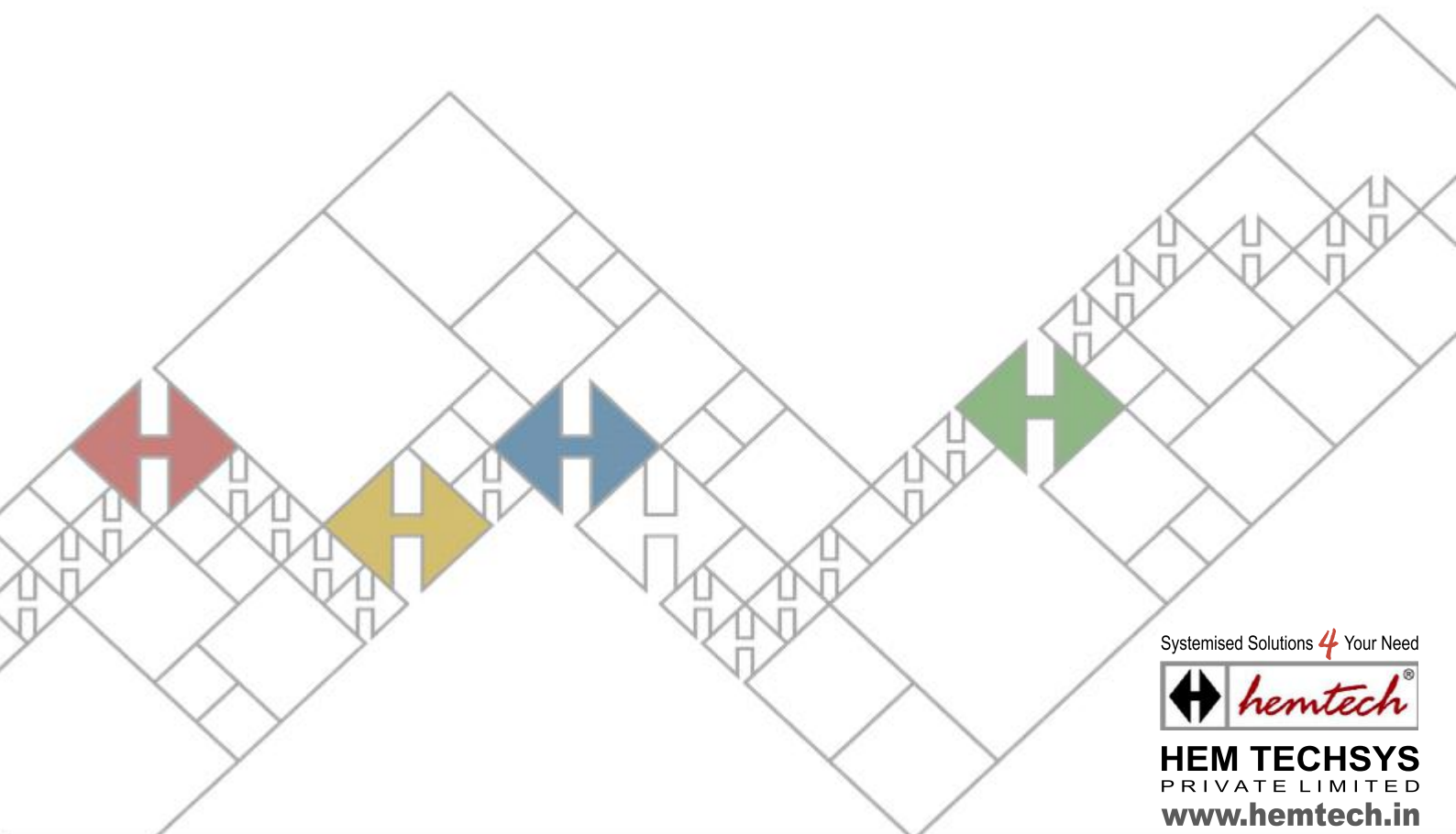


OPTICAL PROPERTIES TESTERS



Systemised Solutions *4* Your Need



HEM TECHSYS
PRIVATE LIMITED
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°

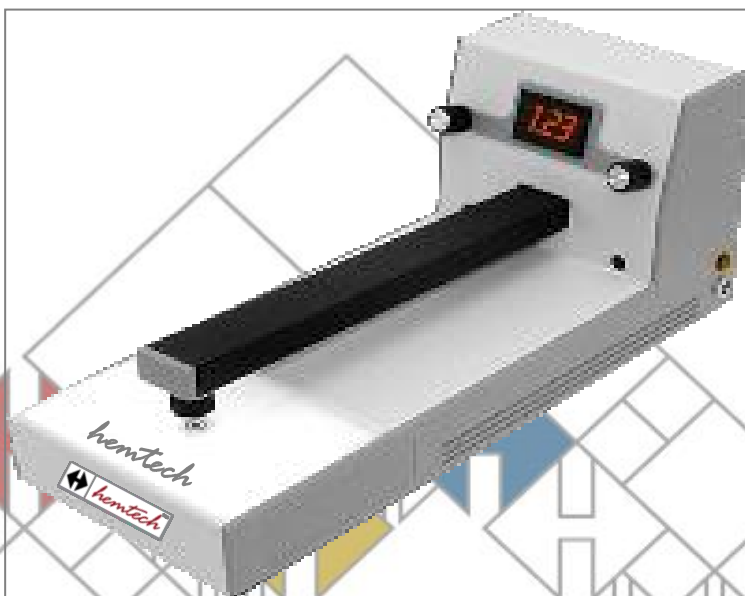


- ✓ Economical, Efficient & Esthetic
- ✓ Single Angle & tri Angle Models
- ✓ ISO-2813, ASTM-C584, ASTM-D523, DIN-67530, ASTM-D2457
- ✓ Measuring Range:
 - 20° : 0 – 2000 Gu
 - 60° : 0 – 1000 Gu
 - 85° : 0 – 160 Gu
 - 45° : 0 – 200 Gu (normally for Films)
- ✓ Resolution : 0.1 Gu
- ✓ Repeatability : 0.2 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 ± 0.02 D / Repeatability ± 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