

Portable Haze Meter DH Series



Part 1. Product Advantages

1). The portable haze meter is with smaller size which is more convenient to be carried for testing haze and transmittance.



2). High Accuracy: Display resolution 0.01; Good repeatability ≤ 0.02

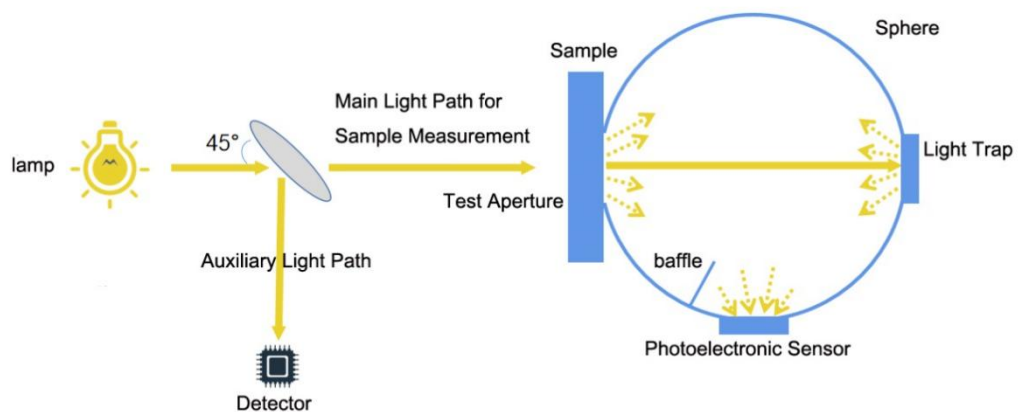


3). What have we done to guarantee the instrument repeatability?

a. Instrument will do self-check regularly when it is in standby mode.



b. Dual Optical Paths Design



Haze Meter Dual Light Paths Working Principle

4). DH-13 supports 3 kinds of test apertures 21mm, 15mm & 12mm to measure the samples with different sizes.

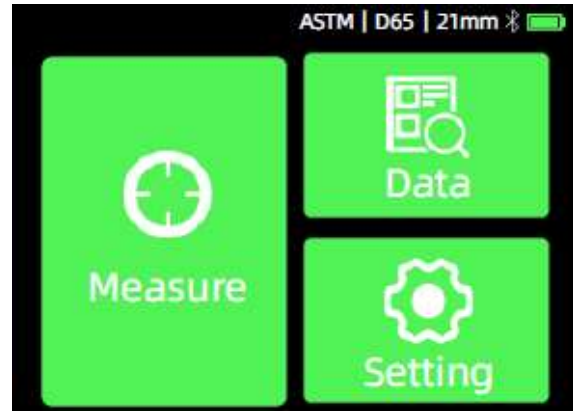


5). The haze meter conforms to the standards of GB/T 2410, ASTM D1003/1044, ISO 13468/14782, JIS K 7105, JIS K 7361 and JIS K 7136.

6). It contains three kinds of light source to measure the haze and transmittance of different standards.



7). It adopts 2.8 inches touch screen



Part 2. Packing List

| Model | DH-10 | DH-12 | DH-13 |
|--------------|-------------------------------|-------------------------------|-------------------------------|
| Packing List | Instrument | Instrument | Instrument |
| | - | Charging Head | Charging Head |
| | USB Cable / Recharging Cable | USB Cable / Recharging Cable | USB Cable / Recharging Cable |
| | U Disk (QC software, manual) | U Disk (QC software, manual) | U Disk (QC software, manual) |
| | 1 test aperture | 2 test apertures | 3 test apertures |
| | Qualified Certificate | Qualified Certificate | Qualified Certificate |
| | Warranty Card | Warranty Card | Warranty Card |
| | Packing List | Packing List | Packing List |
| | Calibration Certificate | Calibration Certificate | Calibration Certificate |
| | - | - | Black Carrying Case |

Part 3. Main Parameter Comparison Sheet

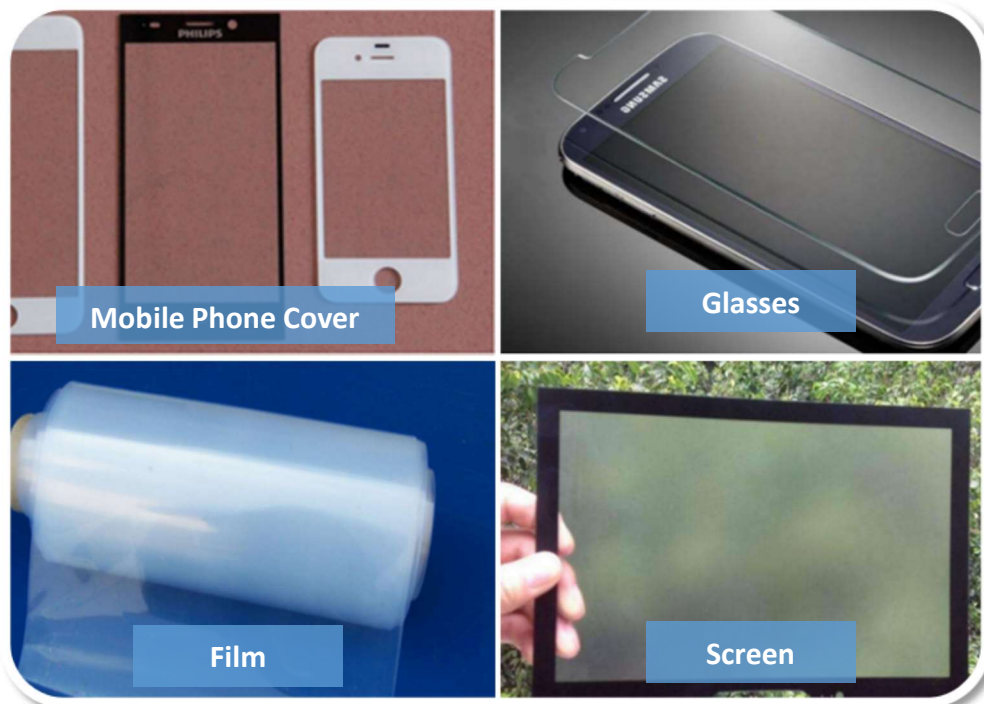
| Model | DH-10 | DH-12★ | DH-13 |
|-------------------------|--------|------------|------------------|
| ASTM-haze/transmittance | ✓ | ✓ | ✓ |
| ISO- haze/transmittance | ✗ | ✓ | ✓ |
| Test Apertures | 21mm | 21mm, 15mm | 21mm, 15mm, 12mm |
| Resolution | 0.1% | 0.01% | 0.01% |
| Repeatability | 0.1 | 0.05 | 0.02 |
| Lithium Battery | ✗ | ✓ | ✓ |
| Weight | 1.13kg | 1.25kg | 1.25kg |

Part 4. Technical Data

| Model | DH-10 | DH-12 | DH-13 |
|-------------------|---|---|---|
| Light Source | CIE-A,CIE-C,CIE-D65 | CIE-A,CIE-C,CIE-D65 | CIE-A,CIE-C,CIE-D65 |
| Standards | ASTM D1003/D1044,ISO 13468/ISO14782,JIS K 7105,JIS K 7361,JIS K 7136,GB/T 2410-08 | ASTM D1003/D1044,ISO 13468/ISO14782,JIS K 7105,JIS K 7361,JIS K 7136,GB/T 2410-08 | ASTM D1003/D1044,ISO 13468/ISO14782,JIS K 7105,JIS K 7361,JIS K 7136,GB/T 2410-08 |
| Parameter | ASTM-haze/transmittance | ASTM & ISO -haze/transmittance | ASTM & ISO -haze/transmittance |
| Spectral Response | CIE The spectrum function Y/V(λ) | CIE The spectrum function Y/V(λ) | CIE The spectrum function Y/V(λ) |
| Geometry | 0/d | 0/d | 0/d |
| Test Aperture | 21mm | 21mm, 15mm | 21mm, 15mm, 12mm |
| Test Range | 0-100% | 0-100% | 0-100% |
| Resolution | 0.1% | 0.01% | 0.01% |
| Repeatability | 0.1 | 0.05 | 0.02 |
| Sample Size | Thickness \leq 40mm | Thickness \leq 40mm | Thickness \leq 40mm |

| | | | |
|---------------------|--|--|--|
| Display | 2.8 inches touch screen | 2.8 inches touch screen | 2.8 inches touch screen |
| Data Storage | Mass Storage | Mass Storage | Mass Storage |
| Interface | USB | USB | USB |
| Power | DC 5V/2A | Rechargeable Lithium Battery | Rechargeable Lithium Battery |
| Working Temperature | 5~40°C, Relative humidity 80% or below (at 35 °C), no condensation | 5~40°C, Relative humidity 80% or below (at 35 °C), no condensation | 5~40°C, Relative humidity 80% or below (at 35 °C), no condensation |
| Storage Temperature | -20 °C ~ 45 °C, relative humidity 80% or below (at 35 °C), no condensation | -20 °C ~ 45 °C, relative humidity 80% or below (at 35 °C), no condensation | -20 °C ~ 45 °C, relative humidity 80% or below (at 35 °C), no condensation |
| Size | 133mm x 99mm x 224mm (length X width X height) | 133mm x 99mm x 224mm (length X width X height) | 133mm x 99mm x 224mm (length X width X height) |
| Weight | 1.13 kg | 1.25 kg | 1.25 kg |
| Optional | Test Aperture with custom made size | Test Aperture with custom made size | Test Aperture with custom made size |

Part 5. Application



Part 6. Haze Meter Application

