

a Darge www.alarge.com.tr

AGILE, ROBUST, SMART LAB SYSTEM. SUSTAINABILITY AND RESILIENCE.

## **OPTICAL DEVICES**

# **AL COL HIGH QUALITY COLORIMETER**

AL-COL colorimeter, easy to use and cost-effective, widely used in R&D, quality control and production management department, can measure color difference accurately and quickly.

- User friendly design and easy to operate
- Stable performance
- Easy & guick localization
- PC software may realize many additional functions
- Advanced design for power supply

#### APPLICABLE INDUSTRIES

Automobile, stonematerial, plastic, metal, paints, printing and others.





#### **TECHNICAL SPECIFICATIONS**

Illuminating / ViewingGeometry: 8/d

• Measuring Aperture: Ø68mm

Detector : Silicon photoelectric diode

● Color Space : CIEL\*a\*b\*C\*h\* CIEL\*a\*b\* CIEXYZ

Ocolor Difference Formula:

 $\Delta E$ "ab  $\Delta L$ "a\*b"  $\Delta E$ \*C"h\*

• Light Source : D65

• **Light Source Device :** LED blue light excitation

• Errors Between Each Equipment : ≤ 0.40 ∆E\*ab • Storage: 100pcs standards 20000pcs samples

 Repeatability: Standard deviation within ∆E\*ab 0.07 Average of 30 measurements of standard white plate

■ Weight : 500g

**Dimension**: 205\*70\*100 mm

Power source :

Rechargeable lithium-ion battery 3.7V@3200mAh

• Lamp Life: 5 years, more than 1.6 million measurements



ALARGE ALIÇ AĞACI MAK. ELEK. AR-GE SAN. TİC. LTD. ŞTİ.

Çifte Havuzlar Mah. Eski Londra Asfaltı Cd. YTÜ Teknopark D2 Blok No: 2B01 Davutpaşa – İstanbul/TÜRKİYE **Fax:** +90 212 278 61 33 **Mail:** info@alarge.com.tr



#### ISO 2813, GB/T 9754, ASTM D 523, ASTM D 2457 STANDARDS.

- 3.5 inch large screen with high resolution full-view display
- Display 5 sets of measurement data, better for comparison
- Connectable to PC, for more extend futures
- Super configuration of hardware, integrated multiple innovative technologies
- Automatic calibration, convenient and quick AL-GLO is an economic gloss meter with independent intellectual property rights. It is manufactured according to ISO02813 and GB/T 9754 standards. It has a large display screen, stable performance, high accuracy and user friendly interface.

#### PRODUCT FEATURES

- 60" angle for semi-gloss
- Concise appearance, feel good
- Display 5 sets of measurement data, good for comparison
- Built-in lithium ion rechargeable battery
- Basic model measurement can

meet basic glossiness testing reguirements

- Connectable to PC, for more extend futures
- One button for all angles measurement
- Comply with international standards
- Stable performance, easy to read data.

#### **APPLICABLE INDUSTRIES**

Automobile, stonematerial, plastic, metal, paints, printing and others.

#### **SPECIFICATION FEATURES**

**Measuring Angle:** 60°

Comply With Standard: ISO 2813, GB/T 9754, ASTM D 523, ASTM D 2457

Measuring Area (mm): 9x15 Measuring Range: 0-300GU

**Division Value:** 0.1GU

Measurement Range: 0-10GU, 10-

100GU, 100-300GU

Repeatability: ±0.1GU, ±0.2GU,

±0.2%GU

Reproducibility: ±0.2GU, ±0.5GU,

±0.5%GU

**Measurement Standard:** Conform with JJG696 first class glossmeter working reguirement

#### **Chromaticity Corresponding:**

Corresponding with CIE 1931(2°) under CIE C light source

**Errors**: ±1.5, ±1.5 % **Measuring Time:** 0.5s Dimension: LWH: 160mm\*75mm\*90mm

Weight: 350g Language: English

Battery: 3200mAh Li-ion battery, >10000 times (within 8 hours)

Display: TFT 3.5 inch **Interface:** USB/RS-232 Storage: Basic mode: 1000 **Software:** GQC6 Quality control

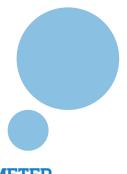
software

**Operation Temperature:** 0-40° **Storage Temperature:** -20-50°C **Humidity:** <85% relative humidity,

no condensation

**Standard Accessories:** Power adapter, USB cable, user manual, GQC6 software CD (except HG6OS), calibration plate

### **OPTICAL DEVICES**



## AL-HAZ HAZEMETER ADVANTAGES

- Conforms to international standards **ASTM D 1003**, **ISO** 13468, **ISO 14782**, **JIS K 7361 and JIS K 7136**.
- Three kinds of light sources A,C and D65 for haze and total transmittance measurement.
- It can realize transmittance compensation measurement which can provide higher accuracy test result.
- Open measurement area, no limit on sample size.
- Instrument is with 5.0 inches TFT display screen with good human-computer interface.
- 6 It can realize both horizontal and vertical measurements to process wider class of materials.
- 7 It adopts LED light source whose lifetime can reach 10 years.
- No need to do a warm-up, after the instrument is calibrated, it can be used immediately. The measurement time is only 3 seconds.
- 9 Small size and light weight which makes it much easier to carry.

### **AL HAZ HAZEMETER**

Transmittance haze meter, AL-HAZ, is designed for plastic sheets, films, glasses, LCD panel, touch screen and other transparent and semi-transparent materials haze and transmittance measurement. It does not need warm-up during test which saves significant time.

COMPLIANCE WITH AS TM D 1003, ISO 13468, ISO 14782, JIS K 7361 and JIS K 7136.

