

Allied Products:

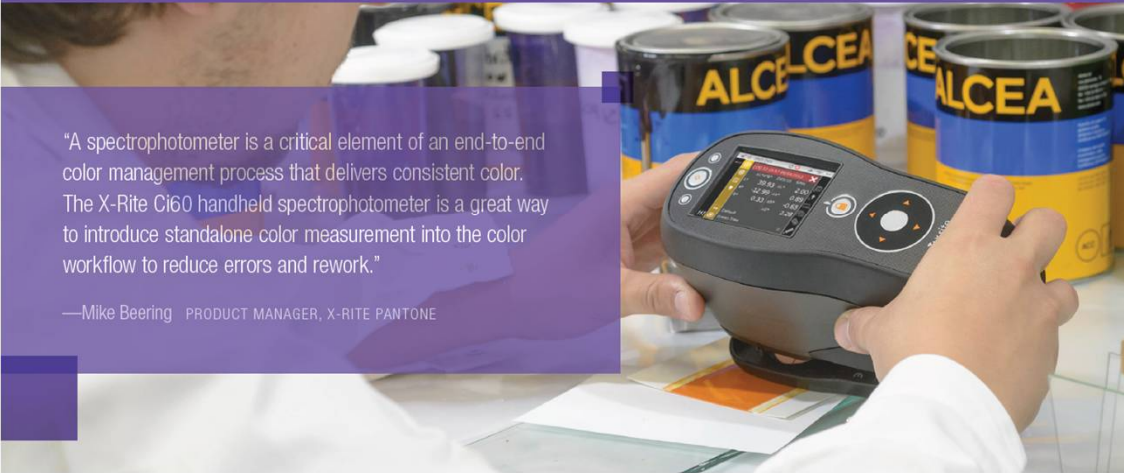
- X-rite Spectrophotometer for colour analysis (L*A*B)
- Glossmeter
- Portable Hardness Tester
- Viscometer
- Scratch Test & Analysis equipment's

X-rite Ci60 Spectrophotometer:

x-rite PANTONE®

"A spectrophotometer is a critical element of an end-to-end color management process that delivers consistent color. The X-Rite Ci60 handheld spectrophotometer is a great way to introduce standalone color measurement into the color workflow to reduce errors and rework."

—Mike Beering PRODUCT MANAGER, X-RITE PANTONE



x-rite PANTONE®

Ci60 Portable Spectrophotometer



- 1 Results at a glance
- 2 Simple, pass-fail indicator

You might also like...

Ci62 Portable Sphere Spectrophotometer

The X-Rite Ci62 portable sphere spectrophotometer is a high-performance instrument uniquely suited for ensuring accurate color, especially on metallic reflective or uneven surfaces. It features connectivity to color quality control and formulation software for a more robust color workflow.

Ci64 Portable Sphere Spectrophotometer

The Ci64 is X-Rite's most precise handheld, available in three models with simultaneous SPIN/SPEX, correlated gloss and a UV option. Embedded NetProfiler for complete track and trace and a unique Graphical Jobs™ Interface with visuals showing exactly how measurements should be taken.

Ci60 Portable Spectrophotometer



Overview

Accurate color on complex materials – from specialty paints and coatings to plastics and textiles – is vital, especially when producing unique color combinations. The X-Rite Ci60 portable sphere spectrophotometer is an entry-level handheld spectrophotometer uniquely suited for ensuring accurate color, especially on reflective or textured surfaces.

Key Benefits

The Ci60's large high-resolution color screen and configurable menus make it fast and easy for users to understand color measurement procedures for consistent operation. This versatile standalone instrument is ideal for use in the lab, quality control, in receiving to qualify incoming materials, and in the field or in the manufacturing plant to enhance both quality and speed to market.

- **Accurately measure reflective or textured surfaces** on a wide variety of products and packaging types to ensure consistent color across the supply chain.
- **Access up to 4,000 samples** stored in the device for fast, easy recall of previous samples and measurements.
- **Increase instrument up-time** with optional dual-bay charging to use the Ci60 while charging the second battery.
- Easy to use thanks to a **friendly user interface**, straight forward menus and results, and a simple pass or fail indicator.

Service Support & Warranty

Drawing on our extensive color expertise, X-Rite offers the right level of services on-site, online or on the phone, to support and nurture your business. For additional protection beyond the one-year warranty, take advantage of our extended warranty program. With global full service contracts, you can ensure your devices are well maintained through X-Rite's Annual Five Point Checkup, uniquely developed to keep devices performing to original specifications. With twelve global service centers, we make it easy to reach us. For more information about extended support options, visit www.xrite.com/extended-warranties-services

Specifications

	Ci60
4mm spot measurement	
8mm spot measurement	✓
16mm spot measurement	
White Repeatability ΔE^*	.10 ΔE^* CIELAB
Light Source	Tungsten
Spectral Range	400nm-700nm
Inter-instrument agreement	.40 Avg. ΔE^* CIELAB
Weight	1.1 Kg
Graphical Jobs	

Glossmeter:



HG268 Three-angle gloss meter

PRODUCT FEATURES

1. 20, 60 and 85° in one: from high to low gloss - have the specified angle on hand
2. Concise appearance, feel good
3. Display 5 sets of measurement data, good for comparison
4. Built-in lithium ion rechargeable battery
5. Basic model measurement can meet basic glossiness testing requirements
6. Connect to PC, more extend functions
7. One button for all angles measurement at the same location
8. Comply with international standards
9. Stable performance, easy to read data.



APPLICABLE INDUSTRIES



The new generation of intelligent gloss instrument is more perfect than portable gloss meter, perfect combination of the human body mechanics structural design, large color touch screen, one-touch operation and navigational context menu in full screen, gloss measurement amazingly simple, more accurate result.

PRODUCT FEATURES

1. Small aperture: 1.5*2mm
2. 60° angle for semi gloss
3. Display 5 sets of measurement data, good for comparison
4. Measuring mode: basic measurement, statistical measurement, continuous measurement, QC measurement (only for GQC6 software)
5. Continuous mode to check uniformity over large areas
6. Connect to PC, more extend functions
7. Input gloss value manually
8. Large touch screen operation, easy to use
9. Beauty appearance, good man-machine communication interface
10. Powerful functions to meet many different requirements
11. Large storage to save over 5000 data
12. Built-in lithium ion rechargeable battery



NHG60M: For small samples Inspection

SPECIFICATION FEATURES

Measuring Angle: 20°/60°/85°

Comply with standard: ISO 2813, GB/T 9754, ASTM D 523, ASTM D 2457

Measuring Area (mm): 20°: 10x10 60°: 9x15 85°: 5x36

Measuring Range: 20°: 0~1000GU 60°: 0~1000GU 85°: 0~160GU

Division Value: 0.1GU

Measurement Range: 0-10GU 10-100GU 100-1000GU

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 requirement

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

Errors: ±1.5, ±1.5%

Measuring Time: 0.1s

Dimension: L*W*H: 160mm*75mm*90mm

Weight: 350g

Language: Chinese/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 with QC report printing functions and more extended functions

Operation Temperature: 0~40°C (32~104°F)

Storage Temperature: -20~50°C (-4~122°F)

Humidity: <85% relative humidity, no condensation

Standard Accessories: Power Adapter, USB cable, User Manual, GQC6 software CD (except HG60S), Calibration Plate

Optional Accessories: Miniature Printer

DMQ Portable Hardness Tester (Argentina):



Rebound Hardness Testers

QH5 Series

Portable & Reliable

QH5 Series hardness gauges are used to measure the hardness of metals quickly and easily making them an ideal complement to traditional bench hardness testers. Measurements are always expressed in Leeb with immediate conversions to other hardness units such as Rockwell, Brinell, Vickers and Shore. All QH5 models include a memory to store measurements that can then be transferred to a PC.



- D
- DC
- DL
- G
- C
- G
- 5 YEAR WARRANTY

Applications

- Identify and classify materials
- Conduct tests during production
- Check large or heavy parts on-site
- Measure flat and curved surfaces



Main Features

- Meets ASTM A-956 standards
- Accuracy of $\pm 4HL$ (0.5% at 800HL)
- Impact devices can be used in all directions
- CalTan technology in all dmq impact devices
- High impact ABS enclosure w/ rubber sides
- Touch-Sense front panel (no mechanical parts)
- Programmable quick access key
- Transfer data to a PC via USB



Rebound Hardness Testers

QH5 Series

3 Models

	Impact Device Types			
	D / DC	G	DL	C
QH5 D	*			
QH5 G	*	*		
QH5 M	*	*	*	*

dmq impact devices include Cal-Tag technology so that impact devices can be changed with no need to calibrate the unit.

Cal-Tag technology is exclusive from Demeq.



Material	D / DC	G	DL	C
Steel & Cast Steel				
Brinell (HB)	81-663	90-646	80-683	81-646
Vickers (HV)	81-996	—	80-996	80-950
Rockwell C (HRC)	20-72	—	20-70	21-68
Rockwell B (HRB)	37-100	48-100	—	37-100
Rockwell A (HRA)	—	—	—	—
Shore (HS)	32-100	—	32-99	—
Rm (N/mm ²)	275-2194	305-2194	275-2194	275-2297
Alloy Tool Steel				
Vickers (HV)	80-898	—	—	—
Rockwell C (HRC)	20-67	—	—	—
Stainless Steel				
Brinell (HB)	85-655	—	—	—
Vickers (HV)	85-802	—	—	—
Rockwell C (HRC)	20-62	—	—	—
Rockwell B (HRB)	46-102	—	—	—
Grey Cast Iron				
Brinell (HB)	92-334	92-326	—	—
Spheroid Iron				
Brinell (HB)	127-387	127-364	—	—
Cast Aluminum				
Brinell (HB)	19-160	—	—	—
Brass				
Brinell (HB)	40-173	—	—	—
Rockwell B (HRB)	14-95	—	—	—
Copper				
Brinell (HB)	45-315	—	—	—
Bronze				
Brinell (HB)	60-290	—	—	—

Technical Specifications

Measurement	
Method:	Leeb rebound method
Resolution:	1 HL - 1 HB - 1HV - 0.1HRC - 0.1 HRB - 0.1 HRA - 0.1 HS - 1 N/mm ² $\pm 4 HL$ (0.5% at 800 HL)
Accuracy:	HL 200 - 960
Measuring range:	0°, 45°, 90°, 135°, 180°
Impact angles:	
Features	
Histogram:	3 to 18 bars
Statistics:	Medium, Max, Min, Std Dev
User units:	HU-1, HU-2 user generated
Clock:	Time and date registration
Alarms:	High and Low
Data Logger	
Capacity:	32000 + values
Organization:	Up to 8 files with names
Capture modes:	Manual and Automatic
Electronic unit	
Dimensions:	78 x 117 x 24 mm
Weight:	200g with batteries
Working Temp.:	-10° to +50°C
Enclosure:	High Impact ABS w/ rubber sides
Power Supply	
Batteries:	2 x AA 1.5v
Operation:	120 hours w/ backlight off
Shutdown:	Manual, Auto or Continuous

Presentation

- QH5 Electronic Unit
- Impact Device
- Test Block
- Coupling Paste
- USB Cable
- dmq DataCenter Software
- Printed User Manual
- High Impact Carrying Case
- Certificate of Conformity



Software dmq DataCenter

DataCenter is software used to transfer and process data stored in the unit memory. With the tools in DataCenter you can generate statistics, graphics, export data to other programs and prepare custom reports.

Anton Paar Viscometer:



PTD 100 CONE-PLATE WITH BUILT-IN PELTIER TEMPERATURE DEVICE

The ViscoQC 100/300 can be equipped with the PTD 100 Cone-Plate measuring system with integrated Peltier temperature control within seconds, providing a sophisticated method for absolute viscosity determination of small-volume samples down to 0.5 mL.

Highlights of this all-in-one solution:

- Error-eliminating, time-saving automatic gap setting
- Built-in Peltier temperature control from 0 °C to 100 °C and embedded temperature probe for super-precise temperature control and reading
- Spindles with magnetic coupling and Toolmaster™ feature, saving up to 25 seconds per spindle change and preventing costly operator errors

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SOLUTIONS FOR YOUR SPECIAL CHALLENGES

For the most convenient operation, ViscoQC 100/300 can be equipped with Heli-Plus. Your measurements can be fully standardized since all measuring positions are defined digitally on the user interface. By using a T-bar spindle, paste-like materials can be easily measured.

The determination of the gel time/pot life of thermosetting compounds (such as resin, glue) is possible with ViscoQC 100/300 using a glass rod.



SOFTWARE UPGRADES FOR EXTRA ANALYSIS AND COMPLIANCE

ViscoQC 300 is your future-proof rotational viscometer that can grow with your needs via optionally upgradeable software modules in stand-alone mode (V-Curve and/or V-Comply) – all without any external PC. V-Comply is delivered with a ready-to-use pharma qualification package (PQP) document to save time and costs by qualifying the instrument within one day.

A PC data collection software, V-Collect, is also included for free in every ViscoQC delivery.

Your Application – Our Solution

L-Model – Low Viscosity

R-Model – Medium Viscosity

CHEMICALS AND PETROLEUM PRODUCTS

Adhesives (solvent base) | Chemicals
Hot waxes | Hydraulic fluids | Inks | Latex
Oils | Paints and coatings | Isocyanate
Polymer solutions | Rubber solutions | Solvents

Adhesives (hot melt) | Asphalt | Ceramic slurries
Engine oil | Epoxy resins | Gums
Inks (screen printing) | Organosols | Paints
Paper coatings and pulp | Plastisols
Surface coatings | Varnish

FOOD AND BEVERAGES

Dairy products | Fruit concentrate | Juice
Syrup | Smoothies | Gum arabic

Chocolate | Dairy products | Yogurt
Dressings | Food products | Pudding | Starches
Sauces | Ketchup

COSMETICS AND PHARMACEUTICALS

Cosmetics | Mouthwash | Pharmaceuticals
Shower liquids | Hand disinfection fluid
Methylcellulose

Creams | Detergents | Lotions | Shampoo
Liquid makeup | Eye makeup remover
Toothpaste | Nail polish | Cough suppressant

	ViscoQC 100			ViscoQC 300		
	L	R	H	L	R	H
Viscosity test type	Single-point			Multi-point		
Viscosity range [mPa·s] (depends on the measuring system)	0.2* to 6 M	1.6** to 40 M	13.2*** to 320 M	0.1* to 6 M	1.3** to 40 M	10.6*** to 320 M
Speed [rpm]	0.1 to 200 25 increments: 19 standard speeds plus 6 freely selectable speeds			0.01 to 250 Speed list with 18 standard speeds Freely selectable speeds within the speed range		
Max. spring torque [mNm]	0.0673	0.7187	5.7496	0.0673	0.7187	5.7496
Accuracy	±1.0 % full scale range					
Repeatability	±0.2 %					
Display	3.5" color LCD			7" color touchscreen		
Data storage	Non-storage Direct print/export			Data memory for up to 999 measurements Print/export from data memory		
Trademarks	Toolmaster (003623873), TruGuard (017904903), Trumode (017904895), T-Ready (009176983), TruSine (017904915)					

* With optional PTD 100 Cone-Plate, with L1 spindle 15 mPa·s
** With optional PTD 100 Cone-Plate, with RH1 spindle 100 mPa·s
*** With optional PTD 100 Cone-Plate, with RH1 spindle 800 mPa·s

M = 1 million

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