



AcuGloss™

AcuGloss 60 and AcuGloss TRI Gloss Meters

The ideal solution for ensuring uniform gloss appearance of most any surface



AcuGloss™ products lead the industry in gloss evaluation technology, with advanced features and accuracy levels not found in ordinary gloss meters. Backed by the hallmarks of X-Rite ruggedness, portability and service, the AcuGloss line is indispensable for production operations, materials evaluation, QA testing and reporting.

AcuGloss takes fast, true gloss measurements of most any surface to minimize problems associated with inconsistent coating application.



Reference	Unit	Min	Max
97.5	0.0	2000	2000
97.5	0.0	2000	2000

AcuGloss™ Gloss Meter

Meet Customer Needs

Your customers demand final product that meets their specifications and schedule. Nothing is more frustrating and costly than a rejected job. Even if the color match is perfect, the difference in gloss can be substantial enough to cause customer problems. These problems can multiply when related components that should match actually differ, causing customer rejection of final products. In short, without an accurate gloss evaluation method, you risk customer dissatisfaction.

Control Production Costs

If you are only evaluating gloss visually, not only will results be inconsistent, but operators might be applying too much material, making your operation less efficient and less profitable. Over-application of coatings materials can also lead to drying problems and downstream product issues. Increased dryer temperatures will impact production costs and can affect the surface color and material properties. Plus, gloss measurements have a good correlation with material handling performance metrics like slip and COF (coefficient of friction), allowing a simple, one-step evaluation of these properties.

Validate Purchased Items

If you outsource components, consider the benefits of specifying and confirming gloss requirements on incoming materials, ensuring consistent matching of all job components. A similar approach can be used to qualify raw materials. Ensuring their match to the substrate and other coatings (inks or colorants) is fundamental to good results in production. In addition, measurement data can be used to support in-process production issues and to support vendor troubleshooting or material claims activity.

Monitor Measurements in Four Ways

Basic: AcuGloss includes a basic mode for simple evaluation of gloss and on-screen display of the results.

Sample: With on-board standards and sample storage capability, you can also ensure that each measurement meets pre-defined gloss requirements.

Statistics: AcuGloss can calculate and display running statistics of measurements for later recall or reporting.

Continuous: Users can make continuous automated measurements at pre-determined intervals.

Increase Convenience

Not only is AcuGloss the leader in precision and performance, it is also convenient, portable, lightweight and simple to operate. Picking functions with the options scroll-wheel is easy—just spin and depress to select any function.

Measurements are made with a press of the operate button, located conveniently on the side of the instrument.

Built-in calibration intelligence alerts you when calibration is required and identifies the calibration standard. AcuGloss calibration is simple and fast with the snap-on reference standard and one-step calibration procedure.

You can even upload measured samples directly to your PC with the included data interface. Use the flexibility of most word processing or spreadsheet applications to generate graphs and create custom reports.

Choose From Two Models

AcuGloss 60: Standard 60° measurement angle for printing, packaging, overprint coatings and related applications.

AcuGloss TRI: Standard three-angle simultaneous measurement at industry standard 20°, 60° and 85° for paint, plastics and industrial coatings applications.

Specifications

Measurement Area

20°	0.4" x 0.4" (10 mm x 10 mm)
60°	0.35" x 0.6" (9 mm x 15 mm)
85°	0.2" x 1.5" (5 mm x 38 mm)

Measurement Range

20°	0 – 2000 GU
60°	0 – 1000 GU
85°	0 – 160 GU

Measurement Time

0.5 Seconds per geometry

Repeatability

0 – 99.9 GU	0.2 GU
100 – 2000 GU	0.2%

Reproducibility

0 – 99.9 GU	0.5 GU
100 – 2000 GU	0.5%

Auto Shut-off time

Selectable 10 – 99 seconds

Memory

999 readings with date and time using the recall function

Memory for 50 references with tolerances in difference mode

Interface

RS-232, data transfer software and serial interface cable included

Power Supply

One 1.5V Alkaline battery yields 10,000 readings (Optional AC power supply available)

Operating Temperature Range

60 – 104°F (15 – 40°C)
85% relative humidity maximum (non condensing)

Weight

0.9 lbs. (400 g)

Dimensions

2.9"H 1.9"W 6.1"L
(73 mm 48 mm 155 mm)

Languages

English, Spanish, German, French, Italian, Japanese

Standards Conformance

DIN EN ISO 2813, ASTM D 523, ASTM D2457, DIN 67530, JIS Z 8741, and EN ISO 7668



xrite.com

X-RITE WORLD HEADQUARTERS
Grandville, Michigan USA
(616) 534-7663
(800) 248-9748
FAX (616) 534-8960

X-RITE INTERNATIONAL, B.V.
The Hague
The Netherlands
(31) 70-3538132
FAX (31) 70-3538333

X-RITE LATIN AMERICA
Hollywood, Florida USA
954-927-4979
FAX 954-927-4979

X-RITE LTD.
Poynton, Cheshire
United Kingdom
44 (0) 1625 871100
FAX 44 (0) 1625 871444

X-RITE MÉDITERRANÉE
Massy, France
33 1-6953-6620
FAX 33 1-6953-0052

X-RITE ITALY S.R.L.
Origgio (VA), Italy
(39) 02-967-34266
FAX (39) 02-967-30681

X-RITE GmbH
Köln, Germany
(49) 2203-91450
FAX (49) 2203-914519

Vyskov, Czech Republic
(00) 420 517-320-331
FAX (00) 420 517-320-335

X-RITE INTERNATIONAL TRADING LIMITED
Shanghai, PR China
86-21-6427-2426
FAX 86-21-6427-5816

ISO 9001
Certified

X-RITE ASIA PACIFIC LTD.
Quarry Bay, Hong Kong
(852) 2-568-6283
FAX (852) 2-885-8610

Tokyo, Japan
81-3-5439-5971
FAX 81-3-5439-5972

INFORMATION PROVIDED IN THIS DOCUMENT IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE. The user assumes the entire risk as to the accuracy and the use of this information. All text must be copied without modification and all pages must be included. All components of this information must be distributed together. This

information may not be distributed for profit. © X-Rite, Incorporated 2003. X-Rite® is a registered trademark of X-Rite, Incorporated. Other brand and product names are trademarks of their respective holders. All trademarks may be registered in the United States and/or other countries. Product design and specifications subject to change without notice.

L10-237 (9/03) Printed in U.S.A.