

Other Testing Instruments

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Benchtop gloss meter TBGM-A10 with large backlit LCD display, 2 Å— 3 mm tiny aperture, 0 to 1000 GU measurement range is suitable for measurement of gloss of curved surface and very small size material. Its optimized light source ensures measurement stability, repeatability. Equipped with simple mode, used to get gloss results directly on screen and statistic mode is used to get gloss difference between samples.

Features:

- 0 to 1000 GU measurement range
- 5 inch color touch screen
- 2 Å— 3 mm tiny aperture
- Double light path technology
- Automatic calibration one button operation
- Connection to PC, printer via USB cable
- Easy to use

Applications:

Used for measuring gloss of plastic, rubber materials, electroplated material, metal nuts, knives, coins mobile cover, plastic & metal case & other suitable samples.

Specifications:

Model no.	LD-TBGM-A10
Port	USB
Weight	4.5 kg
Display	5 inches LCD screen
Test angle	60°
Data storage	100 pcs of targets, 1000 pcs of samples
Light source	LED light source
Size (L*W*H)	350 × 300 × 200 mm
Repeatability	0.2 GU (0 to 100 GU), 0.2 % GU (100 to 1000 GU)
Gloss aperture	2 × 3 mm
Reproducibility	1.0 GU (0 to 100 GU), 1.0 % GU (100 to 1000 GU)
Battery capacity	Chargeable lithium battery, 7.4 V/ 6000 mAh
Working humidity	≤ 80% RH, no condensation
Measurement range	0 to 1000 GU

Working temperature	0 to 45 °C
Light source life time	10 years, 3 million test

Gloss meter TGM-A10 with 60° measuring angle, measures mid-range gloss area, gloss texture of plastics, glass, ceramic coating, packaging material, paper, paint, rubber, wood, leather and flooring parts. Equipped with large lithium battery with 3000 mAh capacity ensures continuous testing for 54300 times. All the tests taken from this gloss meter are confirmed to the international standards.

Features:

- Adopted with sensors ensures high precision of the measured value
- Test angle 60° Large capacity lithium battery
- High precision results
- Large lithium battery with 3000 mAh capacity
- Passed through rigorous quality tests like calibration tests, stability tests, accelerated aging test, vibration test
- Comfortable design to hold the meter

Applications:

Portable gloss meters is used for quality analysis, research purpose across production units & laboratories.

Specifications:

Model no.	LD-TGM-A10
Port	USB, Bluetooth (optional)
Weight	About 400 g
Test time	0.5 S
Tet modes	Simple mode, standard mode, sample testing mode
Resolution	0.1 GU
Test angle	60°
Data storage	100 standard samples, 1000 test samples
Size (L*W*H)	165 × 51 × 77 mm
Repeatability	0-100 GU: 0.2 GU, 100-2000 GU:0.2% GU
Test light spot	60°, 9×15 mm
Battery capacity	3000 mAh lithium battery
Working humidity	< 85%, no condensation
Measurement range	60°, 0-1000 GU
Working temperature	0 to 40°C

Gloss meter TGM-A11 comes in three different measuring angle 20°, 60°, 85° to measure high gloss area, mid-range gloss area, low gloss surface area. This gloss meter can test the gloss texture of plastics, glass, ceramic coating, packaging material, paper, paint, rubber, wood, leather and flooring parts. Equipped with large lithium battery with 3000 mAh capacity ensures continuous testing for 54300 times. All the tests taken from this gloss meter are confirmed to the international standards.

Features:

- Adopted with sensors ensures high precision of the measured value
- Test angle 20°, 60°, 80° Large capacity lithium battery
- High precision results
- Large lithium battery with 3000 mAh capacity
- Passed through rigorous quality tests like calibration tests, stability tests, accelerated aging test, vibration test
- Comfortable design to hold the meter

Applications:

Portable gloss meters is used for quality analysis, research purpose across production units & laboratories.

Specifications:

Model no.	LD-TGM-A11
Port	USB, Bluetooth (optional)
Weight	About 400 g
Test time	Less than 1 S
Tet modes	Simple mode, standard mode, sample testing mode
Resolution	0.1 GU
Test angle	20°, 60°, 85°
Data storage	100 standard samples, 1000 test samples
Size (L*W*H)	165 × 51 × 77 mm
Repeatability	0-100 GU: 0.2 GU, 100-2000 GU:0.2% GU
Battery capacity	3000 mAh lithium battery
Working humidity	< 85%, no condensation
Working temperature	0 to 40°C

The LD-LCTG-A1 Series is a portable coating thickness gauge designed for fast and precise measurement of coating thickness on metallic and non-metallic substrates. Using magnetic induction and eddy current principles, it is suitable for engineering applications, laboratories, and protective coating industries.

Features:

- Magnetic induction and eddy current measurement principles for versatile coating thickness testing
- Measures coating thickness on ferrous and non-ferrous substrates
- Manual or automatic power-off function for convenient operation
- Automatic memory of calibration values and automatic substrate recognition
- RS-232 data output for connection to a PC
- Optional Bluetooth data output for wireless data transfer
- Battery indicator provides convenient monitoring of power status
- Portable design supports use in engineering fields and laboratories

Applications:

It is suitable for coating thickness measurement and quality inspection in engineering, manufacturing, laboratories, and surface treatment applications. It can be used to evaluate coatings on a variety of metallic substrates and support routine inspection and quality control.

Specifications:

Model no.	LD-LCTG-A10
Type	Functional
Unit	Metric / Imperial
Probe	F&NF type
Weight	215 g (excluding batteries)
Accuracy	±1-3% or ±2.5 µm
Principle	F: Magnetic Induction / NF: Eddy Current
Dimensions	140 × 72 × 34 mm
Resolution	0.1 µm / 1 µm
Power Supply	4 × 1.5 V AAA batteries
Measuring Range	0-2000 µm / 0-80 mil
Calibration Base	F and NF
Calibration Foils	1 set, 5 pieces
Min. Measuring Area	6 mm

Operating Conditions	Temperature: 0–40°C; Humidity: 10–90% RH
Optional Accessories	Software
Min. Sample Thickness	0.3 mm
Min. Radius of Workpiece	F: Convex 1.5 mm / Concave 25 mm; NF: Convex 3 mm / Concave 50 mm

The LD-LCTG-A1 Series is a portable coating thickness gauge designed for fast and precise measurement of coating thickness on metallic and non-metallic substrates. Using magnetic induction and eddy current principles, it is suitable for engineering applications, laboratories, and protective coating industries.

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Specifications:

Model no.	LD-LCTG-A11
Type	Statistical
Unit	Metric / Imperial
Probe	F&NF type
Weight	215 g (excluding batteries)
Accuracy	±1-3% or ±2.5 µm
Principle	F: Magnetic Induction / NF: Eddy Current
Dimensions	140 × 72 × 34 mm
Resolution	0.1 µm / 1 µm
Data Memory	99 groups
Power Supply	4 × 1.5 V AAA batteries
Measuring Range	0-2000 µm / 0-80 mil
Calibration Base	F and NF
Calibration Foils	1 set, 5 pieces

Min. Measuring Area	6 mm
Operating Conditions	Temperature: 0-40°C; Humidity: 10-90% RH
Optional Accessories	Software
Min. Sample Thickness	0.3 mm
Min. Radius of Workpiece	F: Convex 1.5 mm / Concave 25 mm; NF: Convex 3 mm / Concave 50 mm