

# Other Testing Instruments

## Other Testing Instruments



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                                    |

|                               |                          |
|-------------------------------|--------------------------|
| <b>Working temperature</b>    | 0 to 45 °C               |
| <b>Light source life time</b> | 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:

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

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

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| 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                          |

|                                 |                                                                      |
|---------------------------------|----------------------------------------------------------------------|
| <b>Min. Measuring Area</b>      | 6 mm                                                                 |
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