

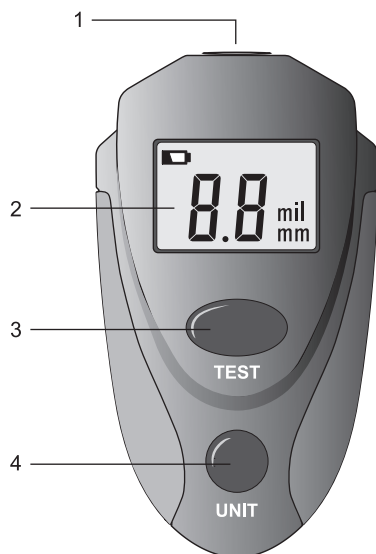
# Paint Thickness Tester

## Instruction Sheet

### INTRODUCTION

This tester is designed to not-destructively measure the thickness of non-magnetic coatings ( including paint, enamel, plastic, epoxy, etc ) on iron, steel or aluminum.

### STRUCTURE



#### 1. Probe

Measuring probe of the tester. Before measurement, place the tester with its probe firmly and in a right angle against the surface to be tested.

#### 2. Display

#### 3. " TEST " Button

1. Press this " **TEST** " button to turn on the tester. Press and hold down this button for about 1 second to turn off the tester.
2. Press this " **TEST** " button to delete the reading on the display, the display will show " - - ".

#### 4. " UNIT " Button

Press this " **UNIT** " button to select desired unit: mm or mil.

### OPERATING INSTRUCTION

1. Hold the tester and make sure that it is as least 20cm away from the object to be tested and other objects. Then press the " **TEST** " button to turn on the tester. " - - " appears on the display and flashes, meanwhile the unit " mm " appears.
2. Press the " **UNIT** " button to select desired unit – mm or mil.
3. Place the tester's probe perpendicularly on the surface to be tested, the display will show the coating thickness.
  - If the display shows " - - ", it means that the tester does not detect any iron, steel or aluminum substrate.
  - If the display shows " **OL** ", it means that the coating thickness exceeds the tester's measuring range.
  - If the display shows " - 0 ", it means that the probe has wear or the substrate under the coatings may be other kind of metal other than iron, steel or aluminum.
4. When you make measurement, the reading will remain on the display if you move quickly the tester away from the surface under test; and you can press the " **TEST** " button to delete this reading, the display will show " - - ".
5. If you do not press any button and the tester does not detect the presence of steel, iron or aluminum for about 30 seconds, the tester will turn off automatically.  
If you want to turn off the tester manually, press and hold down the " **TEST** " button for more than about 1 second.

#### Note:

1. During measurement, if the temperature changes, turn off the tester and then turn it on again and then make measurement immediately. This can ensure measurement accuracy.
2. Different kinds of steel have different magnetic susceptibilities and conductivities, so the measurement results of coatings on different kinds of steel (substrate) may be different even if these coating thicknesses are same. For coatings on steel, measurement accuracy is not guaranteed, and the measurement results can only be used for non-critical reference.

### BATTERY REPLACEMENT

When the low battery indicator "  " appears on the display, the button cell is low and must be replaced immediately.

1. Make sure that the tester has turned off, then rotate the battery cover in the direction indicated by the arrows on the battery cover.

- 2. Tap the tester on palm to remove the battery cover and the exhausted button cell.
- 3. Install a new button cell of the same type (3V button cell, CR2032 or equivalent), make sure the positive terminal of the button cell will face the battery cover when the battery cover is installed.
- 4. Reinstall the battery cover.

**Warning:**

- 1. Do not discard button cell into fire or water.
- 2. Do not short button cell's terminals.

**SPECIFICATION**

**Measuring Range:** 0.0mm to 2.0mm  
0mil to 80mil

**Accuracy:** 2%rdg ± 0.1mm, or 2%rdg ± 4mil  
Note: Accuracy is guaranteed at the operating temperature of 23°C ± 5°C and relative humidity of not more than 75%.

**Resolution:** 0.1mm/1mil

**Power Supply:** 3V button cell, CR2032 or equivalent, 1 piece

**Operating Environment:** Temperature: 0°C to 40°C  
Relative Humidity: < 80%

**Temperature Coefficient:**  
0.05×( 2%rdg ± 0.1mm, or 2%rdg ± 4mil )/°C( < 18°C or > 28°C)

**Storage Environment:** Temperature: -10°C to 50°C  
Relative Humidity: < 80%

**Size:** 6.9×3.8×2cm

**Weight:** About 23g ( including button cell )

**NOTE**

- 1. This instruction sheet is subject to change without notice.
- 2. Our company will not take the other responsibilities.
- 3. The content of this instruction sheet can not be used as the reason to use the tester for any special application.

**DISPOSAL OF THIS ARTICLE**

Dear Customer,  
If you at some point intend to dispose of this article, then please keep in mind that many of its components consist of valuable materials, which can be recycled.

Please do not discharge it in the garbage bin, but check with your local council for recycling facilities in your area.

