

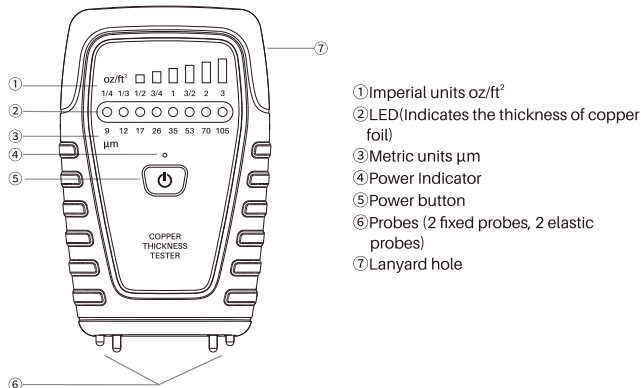
Copper Thickness Tester User Manual

v1.0.6

1. Introduction

This thickness gauge can non-destructively measure the copper foil thickness of copper clad laminates, it can be used to detect the copper foil thickness of PCB copper clad laminates, PCB substrates, CCL and FPC soft board substrates.

2. Product schematic



3. Battery installation instructions

- (1) Insert the batteries according to the positive and negative indications inside the battery compartment and close the battery cover.
- (2) When the power indicator flashes, the battery needs to be replaced.
- (3) When the instrument is not used for a long time, be sure to remove the battery and place it properly.

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4. Measurement steps

Step 1: Prepare the parts to be tested.

Step 2: Long press the power button to turn on.

Step 3: Align the probes on the surface of the copper foil, and press down the instrument horizontally to make the 4 probes fully contact the surface of the copper foil and hold for about 1 second. The instrument beeps and lights up the LED light corresponding to the thickness value. At this time, just pick up the instrument to check the thickness value.

Note: The instrument will automatically turn off without any operation for about 2 minutes.

5. Technical parameters

Metric units level	9、12、17、26、35、53、70、105
Measuring range	0~122mm(0~3.5oz/ft ²)
Imperial units level	1/4、1/3、1/2、3/4、1、3/2、2、3
Result display	Indicate the thickness of copper foil through LED lights
Unit	oz/ft ² ; µm
Operating environment	Temperature: -10~50°C; Humidity: 20~90%RH (non-condensing)
Storage environment	Temperature: -20~60°C; Humidity: 20~90%RH (non-condensing)
Power supply	2 pcs AA 1.5V alkaline batteries/1.2V rechargeable batteries
Protection class	IP20
Size	109*67*31mm
Case material	ABS
Weight	About 82g (Without battery)

Note:

- (1) Before the measurement, please wipe clean the oil stains on the copper foil surface of the copper clad laminate, so as not to affect the measurement results.
- (2) Due to the edge effect of the measurement, when the size of the measured plate is less than 15*15cm, please try to place the probe in the middle of the measured plate to ensure the accuracy of the measurement.

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