



## Coating Thickness Guage

CT-100



### Features:

- 1) FSTN LCD Display
- 2) Built-in Black Light
- 3) Integral Probe F&NF, Auto detecting attribute of substrates
- 4) Zero Calibration and 50/100/250/500/1000um Calibration Points
- 5) Nice shell design for easy reading
- 6) Built-in Silicone Slip Strip
- 7) Measurement Range: 0~1300um
- 8) Accuracy:  $\pm(2.5\%+1\mu\text{m})$
- 9) Resolution: 0.1um

- 10) 5 minutes auto power off to saving power
- 11) Power Supply: 4 x AAA batteries
- 12) Operating Temperature: 0 to 40°C (32 to 104°F)
- 13) Size: 155mm x 62mm x 35mm (6.10" x 2.44" x 1.38" )
- 14) Weight: 125g (4.41 oz)





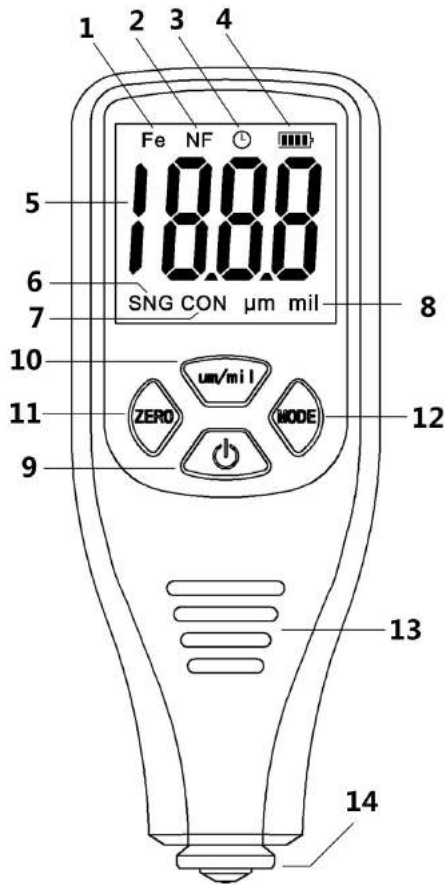
**Technical specifications:**

| Prob                                   | F  | N                              |
|--|--|--------------------------------|
| Principle                              | Magnetic Induction                               | Eddy Current                   |
| Range                                  | 0~1300um<br>0~51.2mil                            | 0~1300um<br>0~51.2mil          |
| Accuracy                               | ±(2.5%+1um)<br>±(2.5%+0.04mil)                   | ±(2.5%+1um)<br>±(2.5%+0.04mil) |
| Resolution                             | 0.1um/0.01mil                                    | 0.1um/0.01mil                  |
| Calibration                            | Points: ZERO/50/100/250/500/1000um               |                                |
| Units                                  | um, mil  |                                |
| minimum curvature radius convex: 1.5mm |  |                                |
| minimum curvature radius concave: 25mm |  |                                |
| minimum measuring area: Diameter 6mm   |  |                                |
| minimum thickness of substrate         | 0.5mm(0.02")                                     | 0.3mm(0.012")                  |
| Power                                  | 4 x AAA batteries                                |                                |
| Operation Environment                  | Temperature:0~40°C (32~104°F) Humidity:20%~90%RH |                                |
| Size                                   | 155mm x 62mm x 35mm<br>(6.10" x 2.44" x 1.38")   |                                |
| Weight                                 | 125g(4.41oz)                                     |                                |

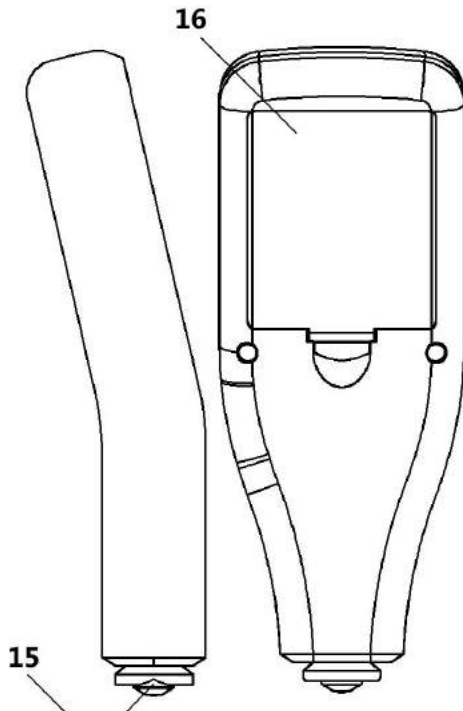
**White & Black color are available:**



**Description:**



- 1. Fe--Magnetic substrate indicator: Steel/Iron
- 2. NF--Non-magnetic substrate indicator: Copper/Aluminum
- 3. Auto power off flag, auto power-off in 5 minutes with no-operation
- 4. Battery level indicator
- 5. Measured Reading Display
- 6. SNG: Single Measurement Mode
- 7. CON: Continuous Measurement Mode
- 8. Unit: um, mil
- 9. ON/OFF
- 10. um/mil: Unit Switch Key, System Resetting Key( Press and Hold More than 3s )
- 11. ZERO: Clearing Display when SNG shows; Using for calibration when CON shows.
- 12. MODE: Switch SNG/CON; SNG shows, Single-point Mode; CON shows, Continuous Mode
- 13. Anti-Skid Slot
- 14. Probe



- 15.V-Groove
- 16. Battery Compartment



**Standard delivery:**

| # | Name   | QTY |
|---|--|-----|
| 1 | Main unit                                    | 1   |
| 2 | Probe (Fe & NFe integrated)                  | 1   |
| 3 | Calibration piece of pre-coated metal sheets | 2   |
| 4 | Calibration piece of foils                   | 5   |
| 5 | AAA battery (Non-aviation)                   | 4   |
| 6 | Operating manual                             | 1   |
| 7 | Warranty card                                | 1   |
| 8 | Instrument case                              | 1   |

