

# TIME<sup>®</sup>2500/2501

COATING THICKNESS GAUGE

## Standard Delivery

- Main unit 1
- Calibration foil set 1
- Substrate 1
- AAA1.5V battery 2
- TIME certificate 1
- Warranty card 1
- Instruction manual 1

## Features

- TIME2500 is integrated with probe F: magnetic induction principle to test the thickness of non-magnetic materials (e.g. paint, plastic, porcelain enamel, copper, zinc, aluminum, chrome etc.) on magnetic materials (e.g. iron, nickel etc.).
- TIME2501 is integrated with Probe N: the eddy current principle to measure the thickness of insulating coatings on non-magnetic materials (enamel, rubber, paint and plastics coatings on the base of copper, aluminum, zinc, tin, etc.).
- Zero point calibration and two-point calibration to correct the system error of the probe
- Features two working modes: DIRECT and BATCH & two measuring ways: CONTINUE and SINGLE
- Statistics include the mean, maximum, minimum, test numbers and standard deviation.
- Memory of 500 data
- Deletion of current data, calibrated data, limit data and all data stored.
- Low battery indication and error alarm
- Buzz during operation for indication
- Backlight for the screen
- Auto or manual shutdown



## Technical Specification

|                     |                                      |                           |           |                   |            |
|---------------------|--------------------------------------|---------------------------|-----------|-------------------|------------|
| Probe Type          |                                      | TIME2500                  |           | TIME2501          |            |
| Measuring methods   |                                      | Magnetic induction(F)     |           | Eddy current(N)   |            |
| Measuring range     |                                      | 0~1250μm                  |           |                   |            |
| Display resolution  |                                      | 0.1μm                     |           |                   |            |
| Tolerance           | Zero point calibration(μm)           | ± (3%H+1)                 |           | ± (3%H+1.5)       |            |
|                     | Two points calibration(μm)           | ± [(1%~3%) H+1]           |           | ± [(1%~3%) H+1.5] |            |
| Measuring condition | Min.curvature radius(mm)             | convexity 1.5             | concave 9 | convexity 3       | concave 10 |
|                     | Min.testing area diameter(mm)        | Ø7                        |           | Ø5                |            |
|                     | Critical thickness of substrate (mm) | 0.5                       |           | 0.3               |            |
| Power               |                                      | AAA 1.5V Battery (2 pcs)  |           |                   |            |
| Working environment |                                      | 0~40°C; humidity: 20%~90% |           |                   |            |
| Dimensions (mm)     |                                      | 145×60×28                 |           |                   |            |
| Weight (g)          |                                      | 132                       |           |                   |            |