

HT616 Coating Thickness Gauge User Manual

I. Product Overview

1. Measures coating thickness non-destructively and accurately using electromagnetic induction and eddy current principles.
2. Suitable for industries such as automotive and metal processing; measurement range: 0–1500 μm .
3. Supports multiple substrate materials, including steel, aluminum, copper, etc.

II. Brand, Model, and Name

Brand: HABOTEST

Model: HT616

Name: HT616 Coating Thickness Gauge

III. Core Functions

1. Power On: Press and hold the power button to turn on; keep the instrument away from metallic objects.
2. Measurement: Gently press the probe perpendicularly onto the test piece; a “beep” sound indicates completion of measurement.
3. Calibration: Perform calibration sequentially at designated calibration points to ensure data accuracy.
4. Pass/Fail Judgment: Supports single-point and multi-point judgment; displays “PASS” or “FAIL” .
5. Data Review: View historical measurement records and delete entries as needed.

IV. Precautions

1. Avoid contact with metallic objects during power-on to prevent damage.
2. Handle standard calibration foils with care during calibration to avoid scratches.
3. Do not use in high-temperature, high-humidity, or strong electromagnetic interference environments.
4. Use only the original charging cable and a 5 V / 2 A charger for charging.
5. Charge the battery promptly when low to avoid affecting measurement accuracy.

V. WARNING

⚠1. The instrument performs an initialization self-test upon power-on. Do not allow the sensor to contact metallic objects during startup; otherwise, the instrument may malfunction. Move the instrument away from metallic objects and restart.

⚠2. WARNING: Be aware of potential fire hazards and strictly follow the instruction manual for charging and storage. For disposal, consult your local authority’s website for guidance and dispose of the lithium-ion battery safely in compliance with applicable legal requirements.

