



The DT-156 coating thickness gauge works either on the magnetic induction principle or on the eddy current principle, depending on the type of probe used. You can select the type of probe via MENU system, or it will work automatically.

The gauges conform to the following industrial standards:  
GB/T 4956-1985  
GB/T 4957-1985  
JB/T 8393-1996  
JJG 889-95  
JJG 818-93



## DT-156

### COATING THICKNESS TESTER

- | Measured Coatings: Non-magnetic coatings (e.g. paint, zinc) on steel; Insulating coatings (e.g. paint, anodizing coatings) on non-ferrous metals.
- | Operates with MENU easily
- | Two measuring mode: CONTINUES and SINGLE mode
- | Two working mode: DIRECT and GROUP mode (4 groups)
- | Statistic Display: AVG, MAX, MIN, NO., S.DEV
- | One point calibrating and two points calibrating independently for each working mode
- | Zero calibrating easily
- | Memory for 320 readings (80 for each group)
- | Delete single readings and all group readings easily
- | High alarm and Low alarm for all working mode
- | Low battery, error indication
- | USB interface for PC analysis software
- | Disable Auto-Power-off function via MENU setting.

# DT-156

## Coating Thickness Tester



### Application

- This compact and handy gauge is designed for non-destructive, fast and precise coating thickness measurement. The principal applications lies in the field of corrosion protection. It is ideal for manufacturers and their customers, for offices and specialist advisers, for paint shops and electroplaters, for the chemical, automobile, shipbuilding and aircraft industries and for light and heavy engineering.
- DT-156 gauges are suitable for laboratory, workshop and outdoor use.
- The probe can work on both principles, magnetic induction and on the eddy current principle. One probe only is required for coating measurement both on ferrous and non-ferrous metal substrates. It is adaptable to specific tasks: i.e. they can be used on special geometries or on materials with special properties.

### Description

- For measurement on steel substrates, the gauge work on the magnetic induction principle, for measurement on non-ferrous metal substrates, it works on the eddy current principle.
- Measurement values and user information are shown on LCD, A backlit display ensures easy reading of screen data in dark conditions.
- Two different operating modes are available: DIRECT mode and GROUP mode.
- DIRECT mode is recommended for simple, quick, occasional measurements. It provides statistical analysis. Single values are not saved. The statistical analysis program can evaluate 80 readings.
- GROUP mode permits measurement and storage of readings in a free programmable memory. A maximum of 400 readings and 4 series of measurements can be analyzed according to various statistical criteria.

### 1-4.Probe

The Probe systems are spring-mounted in the probe sleeve. This ensures safe and stable positioning of the probe and constant contact pressure.

A V-groove in the sleeve of the probes facilitates reliable readings on small cylindrical parts. The hemispherical tip of the probe is made of hard and durable material. Hold the probe by the spring mounted sleeve and put on measuring object.

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# DT-156

## Coating Thickness Tester



### Technical Specifications

|                                      |   |   |
|--------------------------------------|---|---|
| Sesor probe                          | F   | N   |
| Working principal                    | Magnetic induction                        | Eddy current principal                    |
| Measuring range                      | 0~1250 $\mu$ m<br>0~49.21mils             | 0~1250 $\mu$ m<br>0~49.21mils             |
| Guaranteed tolerance<br>(of reading) | 0~850 $\mu$ m<br>( $\pm 3\% + 1\mu$ m)    | 0~850 $\mu$ m<br>( $\pm 3\% + 1.5\mu$ m)  |
|                                      | 850 $\mu$ m~1250 $\mu$ m<br>( $\pm 5\%$ ) | 850 $\mu$ m~1250 $\mu$ m<br>( $\pm 5\%$ ) |
|                                      | 0~33.46mils<br>( $\pm 3\% + 0.039$ mils)  | 0~33.46mils<br>( $\pm 3\% + 0.059$ mils)  |
|                                      | 33.46mils~49.21mils<br>( $\pm 5\%$ )      | 33.46mils~49.21mils<br>( $\pm 5\%$ )      |
|                                      | 0~50 $\mu$ m (0.1 $\mu$ m)                | 0~50 $\mu$ m (0.1 $\mu$ m)                |
|                                      | 50 $\mu$ m~850 $\mu$ m (1 $\mu$ m)        | 50 $\mu$ m~850 $\mu$ m (1 $\mu$ m)        |
|                                      | 850 $\mu$ m~1250 $\mu$ m (0.01mm)         | 850 $\mu$ m~1250 $\mu$ m (0.01mm)         |
| Precision                            | 0~1.968mils (0.001mils)                   | 0~1.968mils (0.001mils)                   |
|                                      | 33.46mils~49.21mils (0.1mils)             | 33.46mils~49.21mils (0.1mils)             |
|                                      |   |   |
| Minimum curative radius              | 1.5mm                                     | 3mm                                       |
| Diameter of Minimum area             | 7mm                                       | 5mm                                       |
| Basic critical thickness             | 0.5mm                                     | 0.3mm                                     |
| Working temperature                  | 0°C~40°C (32°F~104°F)                     |   |
| Working relative humidity            | 20%~90%                                   |   |
| Size (HxDxW)                         | 110 x 50 x 23mm                           |   |
| Weight                               | 100g                                      |   |

### Accessories

Battery, USB Cable, CD, Calibration Iron Plate, Precision Standards, Hard Carrying Case, Instruction Manual and Test Certificate.

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