

CM8802 Series Coating Thickness Instruction Manual

This instrument is used for measuring the thickness of non-magnetic coatings on metal.
It is equipped with large screen of TFT-LCD easy handling , accurate and fast.

Fe type is capable of measuring the thickness of non-magnetic coatings (e.g paint, porcelain, plastic, rubber, and chrome) on magnetic materials (e.g. Iron and steel).

NFe type is capable of measuring the thickness of non-magnetic coatings on non-magnetic metals . E.g. Paint , enamel plastic etc . applied to aluminum , brass.

FN type, combines two measuring probes in one meter , gauge recognize the substrate automatically . The symbol Fe indicates a magnetic substrate, NFe indicates a non-magnetic substrate.

Battery : Install batteries of AAA , 1.5V x 2 pay attention to the polarity.

Switch on : Press the probe, gauge switched on automatically , and it goes off after 30seconds of inactivity.

Measurement :place the probe against the surface steady till the measurement displayed on the screen. An effective measurement is accompanied by a "beep"
The symbol "OVER" indicates it is over the specified measuring range.

Note: Remove gauge from the surface for at

least 2 seconds to take another measurement , do not drag it against the surface.

Units : um and mil (1um=0.001mm, 1mil=0.001inch)

Flip display : Press "Flip" 2 seconds , to turn the display up side down.

Color switch : Press "Color" 2 seconds , to change the color of display for easier reading.

Calibration:


A.Zero calibration:

Take a normal measurement on uncoated metal substrates, lift the gauge, press "ZERO" three times , the reading is calibrated to zero automatically.

B. Calibration with standard shims :

Adjust the displayed reading to the correct value marked on the shim , by pressing "+" and "-", the number goes up and down one by one (press "ZERO" two times after three beeps , the number add or subtract 10 at a time, press "zero" button again to confirm the adjusting), take another measurement, if the reading is the same as the value on shim, or within the tolerance, the gauge is successfully calibrated, if not ,repeat the process till the measurement is correct .

Clear the MAX, MIN and Average value : Press "ZERO" .

Battery replacement : Replace the battery when a red symbol "  "displayed .

Specification:

Measuring range : 0~1250µm, 0~49 mils

Accuracy : $\pm (2\mu\text{m} + 3\%H)$, H- standard coating thickness

Storage temperature: -10°C~60°C

Operation temperature: 0°C~40°C

Probe: build - in probe

Power supply: 2 x 1.5V(AAA alkaline)

Size:119*45*27mm

Weight:90g

Warranty:

We offer 2 years replacement warranty for this instrument . The period commence on the date of purchase from an authorized dealer , and the warranty is subject to the following condition:

1. Warranty does not cover the the defect been caused by improper handling.
2. Claims under warranty are null if the instrument has been serviced by unauthorized persons or workshops.
3. A valid proof of purchase is required.