Film/Coating Thickess Gauge GM220

Function

1、LCD display measurement value and status.
2、Using Hi- sensibility sensor for precise measurement.
3、0 point, 2 point and basic, three different calibration methods to make it easy to process the system quick calibration.
4、Measure mode: Single, continually and difference .
5、Data record, recall and delete function.
6、Data analysis: Average, Maximum, Minimum, standard deviation, and measure times.
7、Beep sounds indication.
8、Metric / Imperic unit selection.
9、Low Battery indication.
10、Auto power off .
11、LCD backlight .
12、Simple, compact structure and portable design.

Specification

Measurement ranges	0 ~1.80mm/0 ~71.0mil
Resolution	0.01 mm/1mil
Measurement error	±(3%H+0.03)mm
Min. diameter of substrate	50mm
Min. thickness of substrate	0.5mm
Power supply	2*1.5V AAA batteries
Operating temperature range	10 ~35°C
Operating humidity range	10-80%RH
Overall dimensions	61.98*30.57*104.99mm
Weight	63.98g(excluding of batteries)

Measurement range

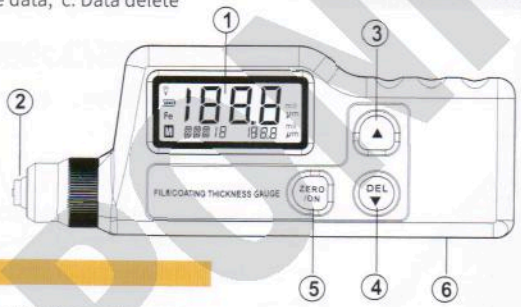
Range	Resolution	Accuracy
0~1800μm	0.1um/1μm	±(3%H+1)

Remark: H=Nominal transformation ratio

Condition of Objective material:Suitable for measure non-magnetic coating on magnetic conductor base material.The minimum curvature radius.Convex: 2mm Convex: 2 Concave=11 Concave: 11mm Minimum Sample diameter: 12mm Minimum Substrate thickness : 0.5mm

Overview

1. LCD display
2. Sensor
3.a: Scroll through Menu; b: Scroll store data; c: Set calibration
4.a: Scroll through Menu; b: Scroll store data; c: Data delete function d: Set calibration
5. Power on/ set zero
6. Battery door (At the back of the body)



LCD Display

1.Backlight icon, the backlight will be actived for 7 seconds upon operations when measure.
2.Measurement value.
3.Battery power symbol, shows current battery voltage as following grades:
:battery is sufficient :battery is comparative sufficient
:battery is nearly deficient
:battery is nearly exhausted, need to have a replacement
:battery is exhausted completely.
4.Ferrous measuring.
5.Indicates the unit have the data in memory.
6.Measurement mode, Data analysis indication.
7.Number of recorded data
8.Recorded data value.
9.Imperial system unit (1mil= 0.0254mm = 25.4μm)
10.Metric system unit (1mm = 1000μm)