



**MT3100** It can option all type F or N probes

**Advantages**

1. Have quicker measuring range.
2. High accuracy: it can be arrived about 1~2% after simple 0 cablibration. It is the only one who can arrive to A level on the market at present.
3. Stability of the measuring value and operation is very good. 4. All function, data, operation and display are English

**MT3100 coating thickness gauge** is a portable meausre instrument. It can test the coating and plating thickness very quickly, critically without any destruction. It can be used not only in the Lab but also project site. This instrument has adpoted the magnetic method and eddy current method. Also, It can measure the thickness of non-magnetic coatings ( e.g. zinc, aluminum, Cr, Copper, rubber, paint and etc.) on magnetic metallic base ( such as steel, iron, alloy and hard magnetic steel etc.) It can measure the all electrically insulating coating layers thickness (such as lacquer, Varnish, paint, anodizing) coating on non-ferrous metals (such as copper, Al, Zinc and etc) and also on austenitic VA steel materials. It can be used widely in plating, nticorrosive, aerospace, chemical industry, car, ship building and other meausring field. It is the essential instrument for the material protecting filed.

**Specification:**

Working Temperature: 0~40°C      Power: NI-MH Battery 9V

OutlineSize: 150×80×30mbWeight: 300g

Measuring Range: F1、 N1、 F1/90----0---1250um;

F400、 N400----0-400um; F10.N10 0-10um

Measuring Error --- F1.N1.F1/90-----± ( 2%H+1 Two points calibration accuracy 1%

F10,N10----± (2%H+10)      Two points calibration accuracy 1%

F400.N400-----± ( 2%H+0.7) Two points calibration accuracy 1%

**Main Function:**

It can be used all type probes (F400、 F1、 F1/90°、 F10、 N1、 N400) for measurement.

Three Points Calibration:

One point calibration; Two points calibration; Basic calibration

Resolution: 0.1µm (Measuring range less than 100µm)

1µm (Measuring range more than 100µm)

Memory: five APPL. It can store a total of max 500 readings

TwoWorkingMode: Direct and APPL

TwoMeasuring Mode: Single Measuring and Continual Measuring

Two Power off Mode: Manual and Auto power off

Limitation Setting: it will automatically alarm for the value beyond the limitation and it can analyze the batch measured values with histogram

Delete Function: can delete the large error and mistake settings

Music Box Function: it will instruct for the operation with music box

Battery rest capacity instuct function

**Standard configuration:**

Main unit 1      F1 or N1 probe 1      Calibration foil 5

Substrate 1      9V battery 1      Manual Instruction 1

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