



**MT4100** can option the F or N probe and printer as well as software.

**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

**MT4100 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  
Outline Size: 150×80×30mm      Weight: 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  
Two Working Mode: Direct and APPL  
Two Measuring 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 histogra  
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  
Printing Function: it can be connected with optional mini-printer and PC via optional software and cable

**Standard Configuration**

Main Unit 1      F1 or N1 probe 1  
Software with Cable 1      Calibration Foil 1  
Substrate 1

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