

CT-6

Coulometric Thickness Tester



Managing various platings by high performance.

- 1 Electric current accuracy has been improved.
- 2 Surface process method at measurement point can be confirmed easily.
- 3 5 layers measurement conditions can be set up for multi plating layers, at maximum.
- 4 measurement channels can be saved 50 channels at maximum.
- 5 The tin plating measurement can be measured each pure tin layer or tin alloy layer.
- 6 Depending on combination of plating and base, available test solution can be indicated automatically.
- 7 As statistics process function is employed, data can be indicated on the screen.
- 8 5 kinds of data transactions are adopted.
- 9 Weight calculation for unit per area can be done.

Display screen



Mesurement Screen



Statistics Selection Screen



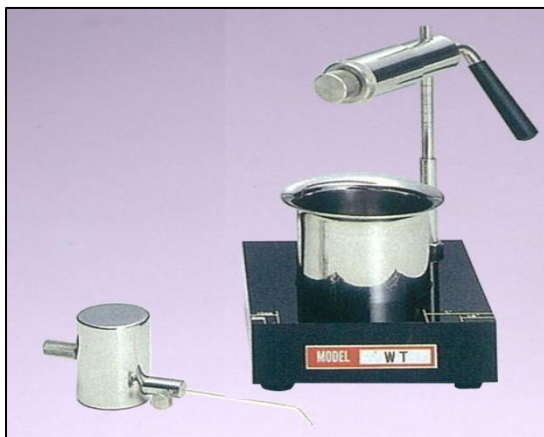
Statistics Indication Screen



Statistics Indication Screen

Options

Wire Tester : Useful for test sample of wire and small sample : width under 1.7 mm
Anode jig: When the object to be measured is small.



Specification

A range of measurement thickness	0.006~300μm
Minimum Dissolution Value	0.001/μm
Accuracy of Main Unit	±1%
Measurement Unit	μm,nm,mg(g/m ²)
Dimension	H157xW250xD270mm
Weight	5.0kgs (for Main unit)
Power Supply	AC100V (115V, 200V, 230V) ,50/60Hz
Measurement Area	A Gasket : 3.4φ
	B Gasket : 2.4φ
	C Gasket : 1.7φ

Combination of measurement objects

Plating	Base material
Copper	Iron, Aluminum, Nickel, Silver, Kovar,
	Stainless, Non-metal
	Brass, Lead, Zinc die-cast, Tin
Nickel	Iron, Aluminum, Brass, Copper, Stainless,
	Non-metal, Chrome
Electroless Nickel	Iron, Aluminum, Non-metal, Stainless
Chrome	Brass, Copper, Cobalt
	Iron, Aluminum, Nickel, Stainless
Zinc	Iron, Aluminum, Brass, Copper, Nickel, Tin
Tin	Iron, Nickel, Non-metal, Aluminum
	Copper, Brass
Silver	Iron, Aluminum, Non-metal, Stainless
	Brass, Copper, Tin, Non-metal
	Nickel
Solder	Iron, Aluminum, Brass, Copper, Non-metal
Cobalt	Iron, Brass, Copper, Non-metal
Brass	Iron, Aluminum, Non-metal, Stainless

* The above is a typical combination of measurements.

* Specifications, appearance, etc. are subject to change without notice for improvement.

Principle of measurement

Using an electrolytic solution suitable for the plating metal, a certain area is melted by a constant current, and the plating thickness is measured from the time required for the melting.

Manufacturer



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