

Galvano Test Coating Thickness Measurement

Application

Universal coating thickness measurement for

- more than 70 combinations of coating and substrate
- measurement of single and multi-layer coatings
- exact measurement from 0.05 to 75 µm
- for nearly all electroplated coatings

Performance Features

- Coating thickness measurement on flat and curved surfaces
- Removal of a small area of coating material in an almost invisible area
- flexible storage and evaluation of the measuring values



#140-GalvanoTest 3000

- Measurement of 10 preset types of metal Cr, Ni, Cu, brass, Zn, Ag, Sn, Pb, Cd and Au
- 8 further types of metal can be selected for special applications
- circulating pump for electrolyte solution
- smallest mask 0.25 mm² for almost invisible removal areas

#140-GalvanoTest 2000

- Measurement of 9 preset types of metal Cr, Ni, Cu, Messing, Zn, Ag, Sn, Pb, Cd
- 1 further type of metal can be selected for special applications
- air pulsator for electrolyte solution

TECHNICAL DETAILS

	2000	3000
Data storage with GalvanoTest		
Number of memories for various metals	10	18
Number of readings which can be stored and evaluated	2000	2000
non-volatile memory retains all values after the gauge has been switched off	•	•
Electrolyte alarm / saturation indicator		•
Measuring uncertainty		
5% on a measuring area of 8mm ² after calibration	•	•
Power supply		
110/220 V 50...60 Hz/10 Watt	•	•
Dimensions/Weight		
Gauge: B 260 mm, T 250 mm, H 100 mm; 10.24 inch, 9.85 inch, 3.94 inch; approx.. 2,5 kg	•	•
Standard probe guide approx. 2,5 kg	•	
Probe guide with integrated pump: approx. 3,0 kg		•

Elektrolyte solutions

Basematerial	Coating					
	Lead	Lead/ Tin	Chrome	Electroless Nickel	Cadmium	Copper
Non metallic	E 15	E 4	E11	E 17	E 5	E 4
Steel	E 15	E 4	E11*	E 17	E 5*	E 4*
Copper	E 15	E 4	E7*		E 5*	
Brass	E 15	E 4	E7*		E 5*	E 12
Aluminum	E 15	E 4	E11	E 17	E 5	E4
Bronze						
Nickel	E 15		E 11*		E 5	E4
Nickelsilber			E7			
Zinc diecast						E 12
Zinc						E12*
Kovar	E 15					E 4
Silicon						
Silver	E 15					
Cadmium						

Basematerial	Coating						
	Brass	Nickel	Silver	Zinc	Tin	Tin/Zink 78/22	Gold***
Non metallic	E 4	E 14	E 4	E 6	E 7	E 7	
Steel	E 4	E 14*	E 4*	E 20*	E 7*	E 7	
Copper		E 14*	E 8*	E 6*	E 9* **	E 7	
Brass		E 14*	E 8*	E6 * **	E 9* **	E 7	
Aluminum	E 4	E 14	E 4	E 6	E 11		
Bronze			E 8		E 7		
Nickel	E 4		E 8	E6	E 7		
Nickelsilber			E 8		E 7		
Zinc diecast							
Zinc							
Kovar							
Silicon		E 14					
Silver							
Cadmium					E7		

* Thickness standards also available
 ** measuring inner cell section II
 *** sample necessary (only Galvanotest 3000)

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