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ZERO ION

Ionic Contamination Tester



Zero Ion Ionic Contamination (Cleanliness) Tester

With today's high board densities, and fine-pitch surface-mount devices, in an era of ISO and other

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Zero Ion Video
Presentation



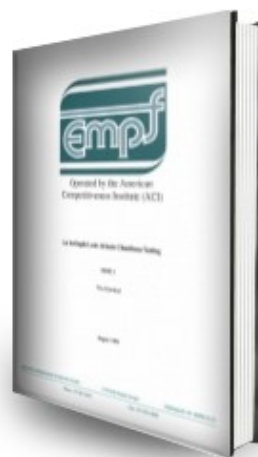
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quality standards, the requirements for accurate contamination (cleanliness) testing are high.

Ionic contamination testers were designed and implemented for the purpose of determining and monitoring the cleanliness of assemblies. Resistivity of Solvent Extract (ROSE) testers are utilized to ensure that cleaning processes remain within tolerance of IPC and MIL specifications. The Zero-Ion G3 ionic contamination tester meets industrial cleanliness specifications including MIL-STD-2000A, MIL-P-28809 and IPC-001 TM-650 2.3.25, and NASA-STD-8739.1B sections 7.2-7.5, through the use of dynamic measurement technology.

The Zero-Ion tester was selected as the "benchmark" unit for the 1993 study "An In-Depth Look at Ionic Contamination Testing" conducted by the Electronics Manufacturing Production Facility (EMPF), Navy National Center of Excellence for Electronics Manufacturing.



This system provides quick and precise cleanliness measurements of printed circuit assemblies, bare boards, and other electro-mechanical devices. Its ease of use and dynamic results in all three of the leading ionic tester equivalency formats, make the Zero-Ion tester the choice of electronics

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The unit's Windows PC based control system provides an operator friendly interface and captures all relevant testing data. The PC based control system automatically calculates NaCl/square equivalence (per military and IPC specifications), operates in automatic and manual modes, and is equipped with virtually limitless test recipe capabilities. The combination of test board submersion and immersion spraying creates an environment whereby all of the soluble contamination is extracted and measured.

Specifications:

Zero Ion G3-12:

12" x 12" Board Capacity
304mm x 304mm

Zero Ion G3-18:

18" x 18" Board Capacity
457mm x 457mm

Zero Ion G3-24:

24" x 24" Board Capacity
609mm x 609mm

Zero Ion G3-CUS:

Custom sizes available

Features:

Dimensions 28" x 53 1/4" x 53"

Weight 288 lbs

Electrical Requirements (North America): 120VAC,
10 Amps

Electrical Requirements (Export): 230 VAC, 1 Phase

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Test Method: Dynamic

Control System: All-in-One PC

Graphic User Interface / LCD Screen

Counter Top: ESD Safe Laminate with ESD Ground
Plug

Test Solution 75% IPA / 25%

Test Result Display: On Screen, PDF Report Writer,
Excel Export

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