SPECIALTY COATING SYSTEMS™

SCS Omegameter 600SMD

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The SCS Omegameter 600SMD is the industry standard for ionic testing of printed circuit boards and assemblies. The microprocessor controlled system employs a heated, agitated extract solution that removes and accurately measures contamination.

Specialty Coating Systems' name is synonymous in the industry with automated ROSE (Resistivity of Solvent Extract) testing systems. The SCS Omegameter 600SMD utilizes the static extraction method to measure resistivity change when a substrate is submerged in the test solution. The degree of change in resistivity indicates the level of contamination, which is often the result of residues from fabrication and board assembly processes.

The SCS Omegameter offers users the ability to test components with a heated or non-heated test solution. IPC-TM-650 describes the benefit of a heated solution to "accelerate and improve the efficiency of extraction of ionic material from poorly accessible regions, such as under surface-mounted components." In addition to increasing cleaning efficiency, a heated system also ensures temperature consistency of the test solution, whereas solution temperature in an unheated system can vary due to circulation pump friction created during the testing process. Variation in temperature yields less reliable results.

The SCS Omegameter also offers expanded test profile capabilities, storing up to 99 test profiles. Additionally, optional software gives users near infinite memory to store test results that can later be viewed, sorted, printed and/or exported in a spreadsheet for further analysis. As a result of SCS' continued commitment to safety, the software package requires remote PC access to maintain a safe distance between the test cell and any electronic devices.

The SCS Omegameter was the first static test system on the market and today remains an accurate, effective and practical quality assurance tool.

SCS Omegameter 600SMD Product Benefits

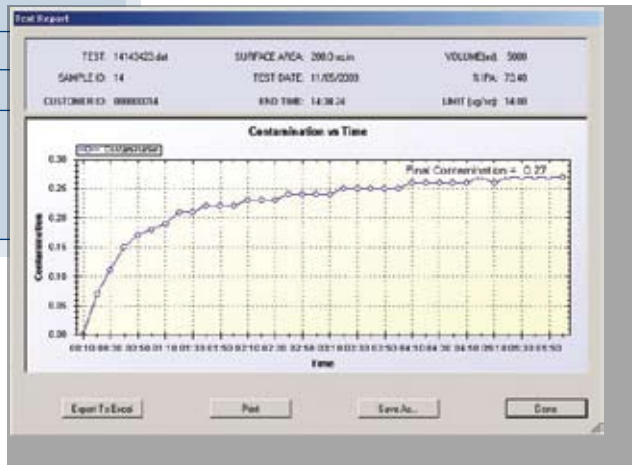
- Determines the cleanliness of electronic components, assemblies with SMT devices, and bare and assembled printed circuit boards.
- Provides an accurate, repeatable and rapid method for determining cleanliness on location.
- Provides immediate process control results, negating the need for outside laboratory testing.
- Verifies proper cleanliness of surfaces prior to the application of conformal coatings or potting compounds.
- Complies with current industrial specifications such as ANSI/J-STD-001D and IPC-TM-650, and obsolete military specifications, e.g., MIL-STD-2000A.

System Features

- Self-contained system
- Simple, user-friendly operation
- Heated test solution for improved solubility of contaminants per IPC-TM-650
- Submerged spray jets in test cell for increased contamination removal
- Rapid pumping rate of test solution
- Storage of 99 test profiles
- Automated process identifies end of test
- On-board printer (prints contamination curve and test parameters)
- Multiple test cell assembly sizes available
- Accessory kit
- Optional software features near infinite memory for test data storage (see screenshot below)

SCS Omegameter 600SMD Specifications

Power Input	230 VAC, 50/60 Hz, 8A
Dimensions (W x D x H)	38 x 29 x 54 in / 96.5 x 73.6 x 137.1 cm
Weight	500 lb / 226.8 kg
Solution Capacity	10 gal / 37.9 L
Test cell assembly options	8 in x 8 in / 20.3 cm x 20.3 cm 12 in x 12 in / 30.5 cm x 30.5 cm 12 in x 18 in / 30.5 cm x 45.7 cm 18 in x 18 in / 45.7 cm x 45.7 cm 26 in x 26 in / 66.0 cm x 66.0 cm



Innovative solutions for advanced technologies.

Specialty Coating Systems leads the industry in providing Parylene solutions for its global customers' advanced technologies. SCS is the direct descendant of the companies that originally developed Parylene, and we have nearly 40 years of experience and expertise that we leverage on every project for our customers—from the initial planning phases to advanced engineering to the development of the application processes.

Our worldwide resources include highly experienced sales engineers, some of the world's foremost Parylene specialists, and expert manufacturing personnel working in nine state-of-the-art coating facilities around the globe. In addition to Parylene coating services, we design and manufacture industry-leading Parylene deposition systems; liquid spray, dip and spin coating systems; ionic contamination test systems; and UV and thermal cure units. Our equipment is used in environments that range from university and research labs to high-volume production facilities.

Our extensive and proactive approach to production and quality requirements—testing, validating, documenting and processing—provides our customers peace of mind and minimizes their resources needed to meet the most challenging industry specifications and quality requirements.

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