



# Test and Measurement

- Test equipment is needed for compliance verification of ESD protective products
- Document the test methods and equipment used for process monitoring
- Per S20.20 test equipment is required to be capable of making the measurements
- EMIT ESD Survey Kit contains most of the test equipment necessary to meet S20.20:
  - Ionization Test Kit for ionizers which includes a Static Field Meter
  - EMIT Surface Resistance Test Kit for worksurfaces, floors, garments, shelving
  - AC Outlet Analyzer verification of AC outlet proper wiring
  - If not properly installed, ESD protected products can do more harm than good

Test equipment is needed to ensure the proper performance of ESD protective products for product qualification and to fulfill the compliance verification plan required by ANSI/ESD S20.20.

“Process monitoring (measurements) shall be conducted in accordance with a Compliance Verification Plan that identifies the technical requirements to be verified, the measurement limits and the frequency at which those verifications shall occur. The Compliance Verification Plan shall document the test methods and equipment used for process monitoring and measurements. ... Compliance verification records shall be established and maintained to provide evidence of conformity to the technical requirements. The test equipment selected shall be capable of making the measurements defined in the Compliance Verification Plan.” (ANSI/ESDS20.20-2007 section 7.3)



50557 Surface Resistance Test Kit and 50595 ESD Survey Kit

and maintained to provide evidence of conformity to the technical requirements.

The test equipment selected shall be capable of making the measurements defined in the Compliance Verification Plan.” (ANSI/ESDS20.20-2007 section 7.3)

The EMIT ESD Survey Kit contains most of the test equipment necessary to perform testing per S20.20's compliance verification ESD TR53 test methods. The ESD Survey Kit contains an Ionization Test Kit for the periodic calibration of ionizers which includes a Static Field Meter used to test antistatic low charging properties as well as troubleshooting.

Resistance to Ground (RTG) and Resistance Point to Point (RTT) can be easily performed using the EMIT Surface Resistance Test Kit for the testing of worksurfaces, floors, garments, shelving, etc.





If not properly installed and maintained, ESD protected products can do more harm than good. EMIT test equipment is designed to exacting published specifications and with features to assist the user to accurately and quickly verify that the ESD protected products used in the company's ESD control program perform as intended.

Effectively use EMIT products to improve your ESD control program. Per ANSI/ESD S20.20-2007 "Product qualification is normally conducted during the initial selection of ESD control products and materials. Any of the following methods can be used: product specification review, independent laboratory evaluation or internal laboratory evaluation." EMIT has the best technical documentation in the industry. Download Technical Bulletins from [DescoEMIT.com](http://DescoEMIT.com)

