



Ground Zero Electrostatics PSK-312 ESD Basic System Analysis Kit

PSK-312 ESD Basic System Analysis Kit Includes PRS-812 Resistance Meter Set. Designed for ANSI/ESD S20.20 Program Applications



Item Number
PSK-312

Like the PSK-310, the PSK-312 Kit is the choice of advanced professionals and the ultimate in advanced auditing and material testing. The PSK-312 includes all of the equipment in the PAK-210 Kit and adds the PROSTAT PRF-911 Concentric Ring Fixture and the PTB-920 Dual Test Bed for surface and volume resistivity measurements of packaging and other flat materials.

The unique PRF-911 Concentric Ring Fixture is used with the PRS-812 Resistance Meter for reliable measurement of packaging material resistance and resistivity. It is used with the PTB-920 Dual Sided Test Bed to make resistance measurements recommended by EIA-541 (ASTM D 257) and ANSI/EOS/ESD S11.11-1993 guidelines for surface resistance and volume resistivity measurements. Because of its spring loaded center electrode, the PRF-911 Concentric Ring Fixture maintains even contact with materials under test and minimizes the need for frequent recalibration.

The PSK-312 also incorporates the PRS-812 Resistance Meter Set, making the kit one of a highly advanced static control measurement and auditing system.

Also included is the PHT-770 for temperature and humidity readings, modified wrist straps for instrument and personnel grounding, a common point ground adapter plug, clamps, clips and an operator's manual. It is all contained in a molded carrying case with retractable handle and wheels.

The PSK-312 is easily customized to meet the most demanding auditing or process evaluation requirements.

Contents

- * PFM-711A Field Meter w/Analog output cable
- * CPM-720A Charge Plate Assembly
- * PCS-730 ± 1kV Charging Source
- * PWS-610M Wrist Straps (2)
- * PHT-770 Hygro-Thermometer
- * PDT-740B Static Decay Timer
- * PGT-61-154 SureTest® Circuit Analyzer
- * GAP-005 Ground Adapter Plug
- * PRS-812 Instrument Set
- * PRS-801-W 5 lbs Conductive Rubber Electrodes (2)
- * PRS-800CS Cable Spacers Set - 36" & 10"
- * Large Pony Clamp 6"
- * PRF-911 Concentric Ring Set
- * PAR-809B Variable Resistance Reference (1 red and 1 black lead)
- * Green Ground Lead, 36"
- * PRS-801-WW Electrode Cleaning Wipes (5)
- * Operator's Manual
- * PAB-023 Accessories Box
- * PK-200/300 Carrying Case with Handle and Wheels

Options:

- * PFC-721 Faraday Cup Assembly
- * PGB-745 Decay Accessories Set
- * PAN-750 Anemometer
- * PFA-860 Footwear Auditor
- * PRF-912 Miniature Concentric Ring Micro Probe
- * PRF-914 High Resistance Miniature Concentric Ring Micro Probe

Applications

- * Full ESD Auditing Capabilities
- * Evaluate packaging materials
- * Measure work surfaces, equipment, furniture and flooring resistance
- * Check ground and electrical circuit reliability
- * Measure decay time
- * Measure wrist strap testers
- * Test footwear and footwear testers
- * Measure electrostatic fields
- * Analyze ionizer performance
- * Balance ionizers Measure body voltages
- * Measure charge generation
- * Evaluate garments
- * Measure temperature and relative humidity

Test According To

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|------------------------------|-------------------------------|
| ESD S1.1 Wrist Straps | ESD S9.1 Footwear |
| ESD S2.1 Garments | ESD S11.11 Surface Resistance |
| ANSI/EOS/ESD S3.1 Ionization | ESD S12.1 Seating |
| ESD S4.1 Worksurfaces | ASTMD-257 Surface Resistivity |
| EOS/ESD S6.1 Grounding | EIA 541 Material Requirements |
| ANSI/ESDS7.1 Flooring | |

Packaging

- Weight:** 41 lbs (18.5 kg)
- Length:** 26 Inches (66 cm)
- Width:** 17.5 Inches (44.5 cm)
- Height:** 13 Inches (33 cm)

