



# Ground Zero Electrostatics PSK-310 ESD System Analysis Kit

## PSK-310 ESD System Analysis Kit

The choice of advanced professionals includes computer download capabilities.  
Designed for ANSI/ESD S20.20 Program Applications



Item Number  
PSK-310

The PSK-310 Kit is the choice of advanced professionals and the ultimate in advanced auditing and material testing. The PSK-310 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-801 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-310 also incorporates the new PRS-801 Resistance System and software, the ESD System Analysis Kit is the most advanced static control measurement and auditing system available today.

### Contents

- \* PFM-711A Field Meter w/Analog output cable
- \* CPM-720A Charge Plate Assembly
- \* PCS-730  $\pm$  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-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
- \* PRF-922 Miniature Two-Point Micro Probe

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.

Not only is the PSK-310 the preferred choice of ESD industry professionals, internationally, it is easily customized to meet the most demanding auditing or process evaluation requirements.

### 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

ESD S1.1 Wrist Straps	ANSI/ESDS7.1 Flooring	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	

### Packaging

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



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