

## PROSTAT<sup>®</sup> PSK-310 ESD System Analysis Kit

*Includes computer download capabilities*



The PROSTAT<sup>®</sup> PSK-310 System Analysis Kit is configured for the Professional ESD Coordinator and Program Manager. It contains virtually everything necessary to perform general electrostatic audits and evaluation of the manufacturing process.

For advanced analysis and special applications, customize your PSK-310 kit with additional fixtures and accessories. For example, select the new PGA-710 Autoanalysis System to project HBM Voltage levels, evaluate footwear-flooring combinations, perform decay analysis, and assess fields in some equipment applications. For resistance measurements of small areas and devices, add the PRF-912B Miniature Concentric Ring and PRF-922A-B Miniature 2-Point Probe adapter. For evaluating charge generation on small devices and assemblies, consider the PFC-721 Faraday Cup assembly.

Prostat offers the most flexible and useful professional static control portable equipment available today. Contact Prostat or your local Prostat Authorized Reseller for details and custom kit design services.

**The Choice of Professionals  
Includes Download capabilities  
Designed for ANSI/ESD S20.20 &  
IEC 61340 5-1 Applications**

### Applications

- ❖ Full ESD Auditing Capabilities for the Manufacturing Process
- ❖ Evaluate Packaging Materials
- ❖ Measure Floors, Worksurfaces, and Equipment Resistance
- ❖ Check Electrical Ground Circuit Function and GFCI Reliability
- ❖ Measure Charge Dissipation Time
- ❖ Evaluate Wrist Straps & Footwear
- ❖ Verify Footwear and Wrist Strap Tester Set Points & Performance
- ❖ Measure Electrostatic Fields
- ❖ Analyze Ionizer Voltage Offset and Decay Performance
- ❖ Measure & Project Body Voltage
- ❖ Measure Charge Generation
- ❖ Evaluate Garments
- ❖ Measure Temperature And Relative Humidity

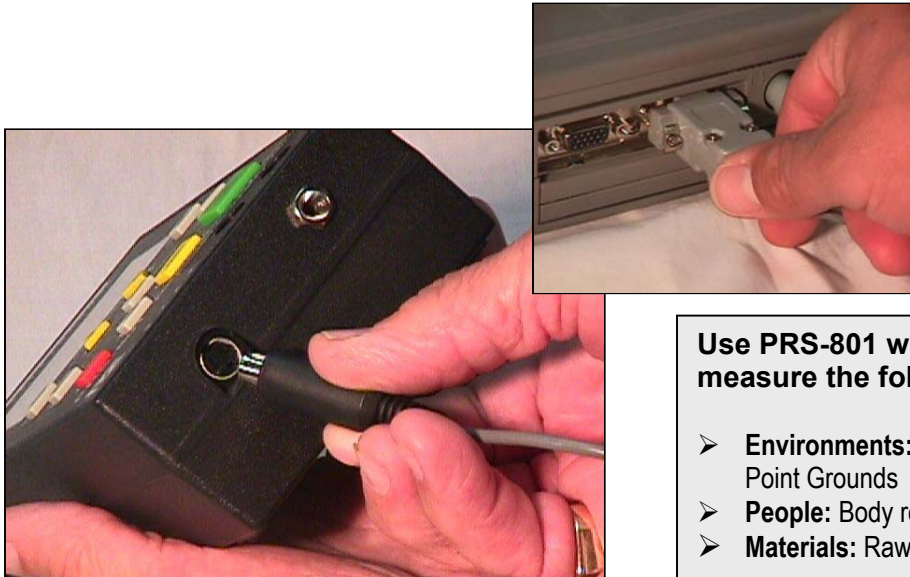
### Test & Measure According To

- IEC 61340 5-1 Standard
- ANSI/ESD S20.20 Standard
- ANSI/ESD S1.1 Wrist Straps
- ANSI/ESD STM2.1 Garments
- ANSI/ESD STM3.1 Ionization
- ESD SP3.3 Ionizer Verification
- ANSI/ESD S4.1 Worksurfaces
- ANSI//ESD S6.1 Grounding
- ANSI/ESD STM7.1 Flooring
- ANSI/ESD STM9.1 Footwear
- ANSI/ESD STM97.1 Floor System
- ANSI/ESD STM97.2 Body Voltage
- ESD S541 Packaging Materials:
- ANSI/ESD STM11.11 Surf. Resist.
- ANSI/ESD STM11.12 Vol. Resist.
- ANSI/ESD STM12.1 Seating
- ASTM D-257 Surface Resistivity
- Other Standards and Material Requirements

### PRS-801 Resistance System Set

The most important ESD Audit & Evaluation instrument is this wide range, constant voltage resistance meter. Use with many accessories & fixtures. Unique wide range portable, constant voltage ohmmeter with data logging, calculating and computer communication capabilities

- Resistance Range: 0.1  $\Omega$  to 2.0x10<sup>14</sup>  $\Omega$
- Test Voltages
  - 0.001 to 10 Volts Auto Variable
  - 10 & 100 Volts Constant  $\pm$  <5 mv
- Digital LCD Display & LED Indication
- 80 Data Point Memory
- Software for Data Download to PC
- Includes Lead Sets, Steel & Insulative Test beds, and Calibration Shunt



#### Will measure according to:

- All Audit & Evaluation Standards
- ANSI/ESD S20.20 & IEC 61340 5-1 Verification Guidelines

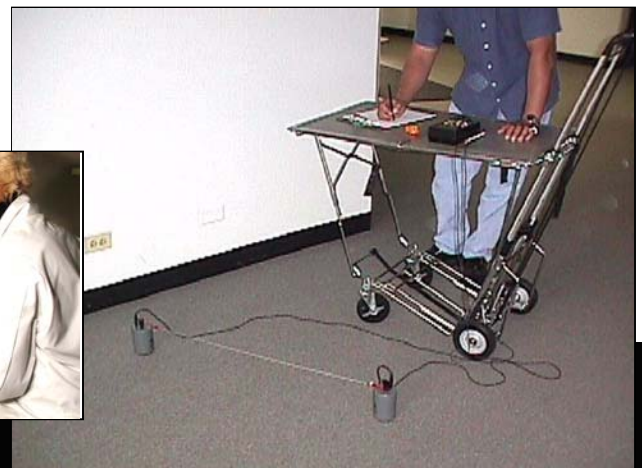
#### Use PRS-801 with Fixtures and Accessories to measure the following:

- **Environments:** Floors, Worksurfaces, Equipment & Common Point Grounds
- **People:** Body resistance, Footwear & Garments
- **Materials:** Raw Materials, Production Aids, Packaging

### Resistance Fixtures & Electrodes

Use five-pound electrodes for measuring resistance of floors, worksurfaces, floor mats, etc. Measure:

- Resistance Point to Point (Rtt)
- Resistance to Ground (Rtg)
- Evaluate:
  - Floors
  - Worksurfaces
  - Equipment
  - Garments
  - Production Aids





### PRF-911 Concentric Ring Set

Classifies Static Control Materials for Packaging and Other ESD Applications. Measure surface resistance and volume resistivity of flat materials.

Designed for use with the PROSTAT<sup>®</sup> PRS-801 Resistance System and PRS-812 Resistance Meter. It will measure:

- Surface resistance per ANSI/ESD STM11.11-2001, and
- Volume resistance per ANSI/ESD STM11.12-2000, and
- Surface & Volume resistivity per ASTM D-257, and IEC 61340-5-1



### Optional Resistance Fixtures:

- PRF-912B
- PRF-914B
- PRF-922B
- PRF-922A-B



Accurately measures surface resistance and point-to-point surface resistance of small areas.



### PFK-100 Field Meter Set

PROSTAT<sup>®</sup> Provides the Most Flexible System for Electrostatic Analysis. Use it to:

- Measure Fields
- Perform Voltage Generation Analysis
- Conduct Charge Movement & Decay Measurements
- Evaluate and balance Ionizers
- Assess the Voltage Generation of Materials, Equipment and Personnel
- Includes:
  - PROSTAT<sup>®</sup>'s PFM-711A Dual Range Field Meter
  - CPM-720 Charge Plate Monitor Assembly
  - PCS-730 +/- 1Kv Charging Source
  - **Option:** PFC-721 Faraday Cup to measure Charge Generation

Use this combination of instruments with Supplied and Optional Accessories to perform basic and advanced ESD Audits and Process Evaluation.



The most accurate portable system for periodic verification in accordance with:

- ESD SP3.3-2000



### PDT-740B Static Decay Timer

Measure decay time of ionizers and materials. Measures the time required for a 1,000 volt charge to dissipate to less than 100, 50 or 10 volts in tenths of a second.

- Used with PROSTAT<sup>®</sup> PFM-711A Field Meter and CPM-720A Charge Plate Monitor
- Evaluates:
  - Ionizer Decay Time
  - Evaluate materials
  - Personnel
  - Equipment and other products
- Compatible with CPM's and field meters having analog output of 1 volt = 10 Kv
- Completely automatic



### PGT-61-164 Universal SureTest Circuit Analyzer

The PGT-61-164 will test circuit outlets in most countries.

- Confirm Circuit Wiring
- Check Neutral-Ground Shorts
- Measure Voltage on Ground
- Measure Ground Impedance
- Test Virtually any Circuit
  - 85 to 250 Volts
  - 45 to 65 Hz
- Easy to use



#### Will test according to:

- Grounding per ESD S6.1-2005



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