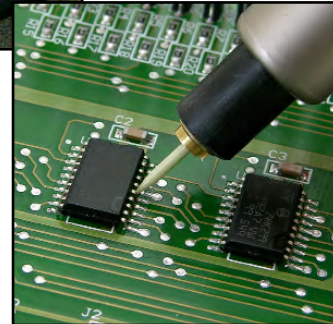
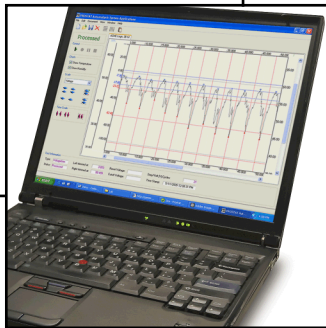




PRODUCT CATALOG





Dear Colleague,

Prostat was created in 1992 to provide the first portable, fully integrated ESD equipment measurement systems to meet industry specifications and standards. In those days, ESD practitioners either carried small indicators that failed to provide accurate information, or transported a variety of costly lab instruments for analysis in factory environments. Prostat very quickly became the ESD industry's equipment of choice because its innovative designs met the needs for portability, measurement, flexibility, performance, precision and value.

Prostat works hard to maintain its leadership in professional ESD equipment. We constantly strive to develop thoughtful high quality products, measurement innovation, comprehensive kit combinations, and portability. We always focus on quality, precision and portability. That means everything stores efficiently in one easily transportable package, and works anywhere in the world to meet today's and tomorrow's standards. We believe this is the kind of convenience and performance a serious ESD program requires.

Today, Prostat remains the leader in providing high quality professional ESD instruments and fixtures. Our products are designed and tested by ESD professionals to exceed the requirements of ANSI/ESD S20.20 and IEC 61340-5-1, and meet the discerning demands of everyone who seeks excellence in ESD audit and analysis.

We hope you enjoy reviewing Prostat's unique range of ESD capabilities and select the best combination of instruments and fixtures to meet your requirements. If you have a question or need a special combination for your personal analysis kit, let us know and we will do our best to make it happen.

Best regards,
Steve Halperin, President



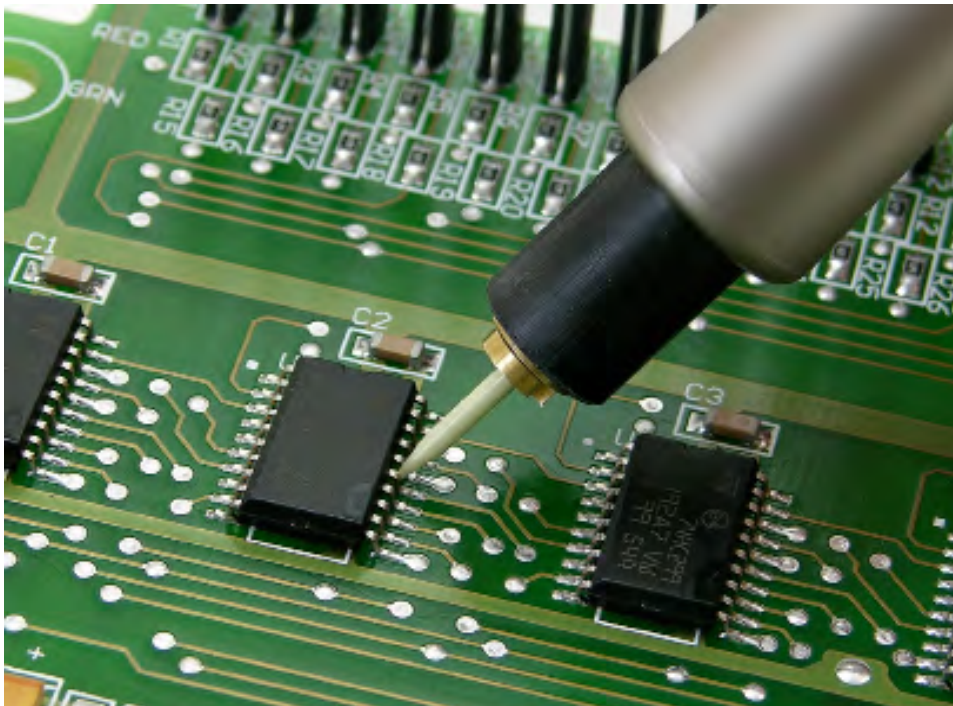
CVM-780 CONTACT VOLTMETER

A VALUABLE ESD ANALYSIS TOOL

Being a true electrostatic voltmeter, not a field meter means that it reads real voltage, without confusing it with electrostatic field strength, which can be distinctly different.

The CVM-780 Contact Voltmeter™ uses a unique active probe design which is fully guarded and shielded for minimal interference with the surrounding E field.

The Contact Voltmeter™ is powered by rechargeable Nickel Metal Hydride batteries and is a valuable ESD Analysis Tool.



Compatible with the PGA-710B Autoanalysis System

The CVM-780 is compatible with the PGA-710B Autoanalysis System® to record measurements for probability analysis and report generation.

IF YOU CAN TOUCH IT... YOU CAN MEASURE IT!



ESD ANALYSIS APPLICATIONS

Analyze process, devices and assemblies for causes of Charged Device and Machine Model losses. Measure voltages on:

- Device Lead Frame Contacts
- Circuit Board Traces
- Automatic Test Contacts
- Conductors in process critical path
- Machine parts
- Placement heads
- Handlers
- Production Aids
- Chairs
- Carts
- Personnel
- Trays
- Shelving
- Conductive Containers





PAS-853 RESISTANCE AUDIT SYSTEM

The PAS-853 instrument is a wide range ohmmeter that measures accurately from 0.01 to 1.0×10^{12} ohms. In AUTO mode the instrument automatically adjusts resistance range and selects test voltage in accordance with standard practices outlined in ANSI/ESD STM11.11, and meets audit requirements of ESD TR53:

- <10 Volts Variable applied from 0.01 to 9.9×10^3 ohms and provides audible continuity indication below 1.6 ohms
- 10 Volts \pm <4V applied from 1.0×10^4 to 9.9×10^5 ohms
- 100 Volts \pm <3V (Constant) applied from 1.0×10^6 to 1.0×10^{12} ohms



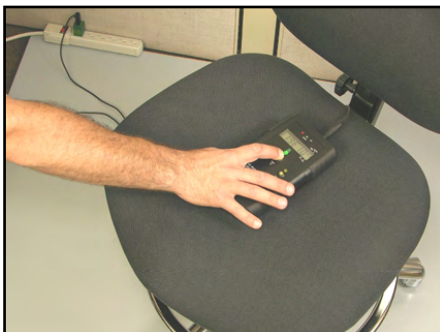
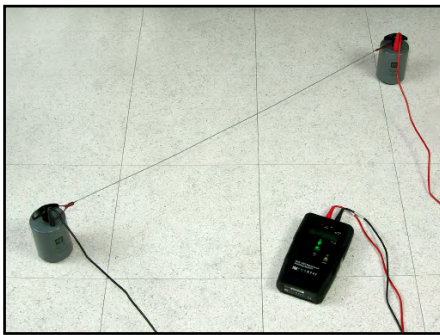
The PAS-853 uses specification fixtures integrated into the instrument reduce weight, cost and enhance simplicity.

USE WITH ELECTRODES & FIXTURES OR WITH THE PAS FIXTURES FOR CONVENIENCE

With integrated fixtures installed, Prostat's PAS-853 Resistance Auditing System incorporates a unique pressure sensor to actuate measurements, eliminating the need for a 5 pound electrode, fixture weights and test leads. The new PAS system simplifies plant periodic verification and makes the audit process more convenient. It supports ESD TR53 Compliance Verification of ESD Protective Equipment and Materials. PAS was designed by Professional ESD Auditors, for ESD Auditors.

The PAS system makes the following measurements using leads or various PAS fixtures mounted on the instrument,:

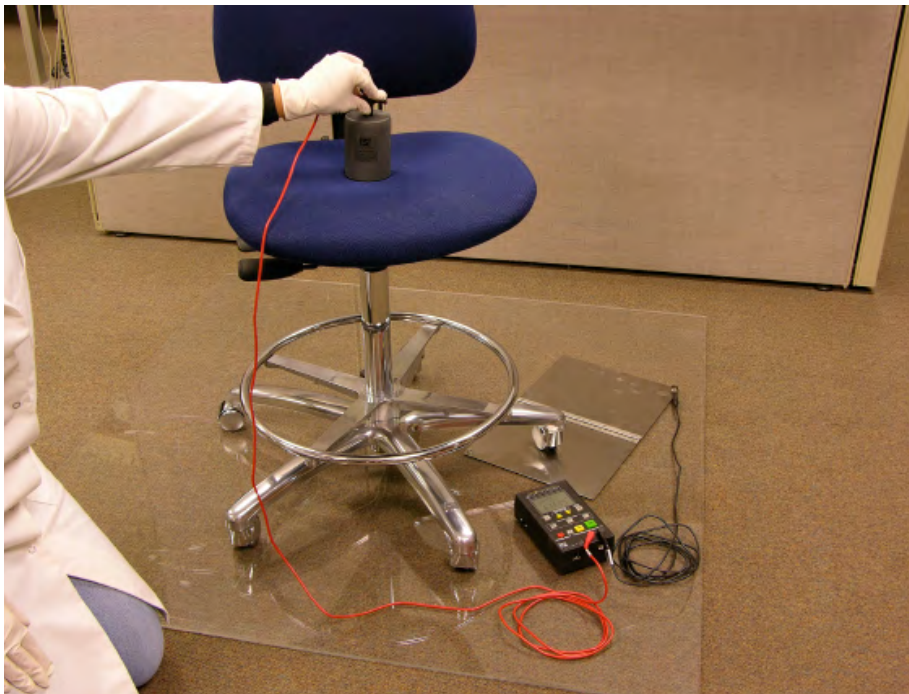
1. Wide range resistance measurements with two PAS Test Leads
2. Resistance to Ground with PAS 2.5 inch pad fixture
3. Surface resistance per ESD STM 11.11 with PAS concentric ring
4. Volume resistance ESD STM 11.12 with PAS concentric ring
5. Indicative surface resistivity with PAS 1-square parallel bar fixture
6. Resistance Point to Point with PAS 2.5 inch pad fixture & electrode
7. The $\frac{3}{4}$ inch terminal spacing accommodates dual banana – BNC adapters for use with specialty fixtures, i.e., Prostat's PRF-912B micro probe and PRF-922B Two-Point fixture for measuring small surfaces and parts.



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: 0.1Ω to $2.0 \times 10^{14} \Omega$
- Test Voltages
 - » 0.001 to 10 Volts Auto Variable
 - » 10 & 100 Volts Constant $\pm <5 \text{ mV}$
- 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



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



WIDE RANGE. ACCURATE. PORTABLE.

PRS-812 RESISTANCE METER SET

The PRS-812 is a constant voltage, wide range ohmmeter with data logging and calculating capabilities. Fully portable and battery operated, the PRS-812 measures resistance from <0.1 to 1.0×10^{12} ohms with measurement accuracy of $\pm 5\%$. It can be operated in fully Automatic, Automatic-Manual and Manual modes.

This sophisticated instrument digitally displays measurements in ohms, kilohms, megohms, gigohms and terohms, and in exponential format, e.g., 1.5E8.

It simultaneously displays data with a fully synchronous analog scale using x1, x10 and x100 multipliers, and a bank of color coded LED's ($<10^3$ to $>10^{12}$ Ohms). Multiple test voltages include 0.01-10V, constant 10V and 100V ranges, which may be selected automatically by the instrument to comply with industry measurement practices, or manually by the operator.

The PRS-812 records and stores up to 80 measurements and calculates minimum, maximum and average of all stored data.

Fully automatic, the PRS-812 controls test voltage, resistance ranging and electrification period to make the most accurate and repeatable measurements available to ESD Auditors and technicians.



Portable, precision resistance measurement from <0.1 to 1.0×10^{12} ohms. Designed for the Professional Corporate ESD Auditor.

- Measures resistance from < 0.1 to 1.0×10^{12} ohms with overall measurement accuracy of $\pm 5\%$.
- Records and stores up to 80 measurements.
- Constant voltage
- Fully automatic, controls test voltage, resistance ranging and electrification period.
- Displays measurements in ohms, kilohms, megohms, gigohms and terohms, and in exponential format.
- Battery operated (2 x 9 Volts)



SURFACE RESISTANCE AT ITS BEST

	<p>PRF-912B Miniature Concentric Ring</p> <ul style="list-style-type: none"> Measures surface resistance of small areas up to 1.0×10^{12} ohms. Measurement Area: 0.35" (8.89mm). Spring loaded contact pins. Includes two (2) each spare outer contact pins and one (1) each spare inner center electrode contact pin.
	<p>PRF-914B High Resistance Miniature Concentric Ring</p> <ul style="list-style-type: none"> Measures surface resistance of small areas up to 1.0×10^{14} ohms. Measurement Area: 0.35" (8.89mm). Spring loaded contact pins. Includes two (2) each spare outer contact pins and one (1) each spare inner center electrode contact pin.
	<p>PRF-922B Miniature Two-Point Probe</p> <ul style="list-style-type: none"> Measures point-to-point surface resistance of small areas up to 0.9×10^{12} ohms. Measurement Area: 0.25" (6.35mm). Spring loaded contact pins. Includes one (1) each spare contact pins and conductive rubber boots for measuring surfaces in accordance with ANSI/ESD STM11.13.



PRV-913B



PRF-922A-B



PRF-900



PRF-901

PRF-911 CONCENTRIC RING SET

The PRF-911 Concentric Ring is a low-profile test fixture conceived specifically for use with the Prostat PRS-801 Resistance System and PRS-812 Resistance Meter. It will measure surface resistance per ESD S11.11, and volume resistance per ESD S11.12, and ANSI/ESD SP15.1.

Its compact size allows the fixture to be inserted into small flexible containers, such as an ESD protective bag, without having to cut the package.



FEATURES

Measures surface resistance per ANSI/ESD STM11.11

Measures volume resistance per ANSI/ESD STM11.12

Measures surface volume & resistivity per ASTM D-257

Incorporates a spring loaded, self-aligning center electrode feature

The included Dual Test Bed consists of an insulated test surface for ANSI/ESD STM11.11 surface measurements laminated to a steel test plate for volume measurements.

PRS-801-W CONDUCTIVE RUBBER ELECTRODES



The PRS-801-W is a precision milled resistance probe with conductive rubber pad for use with any resistance meter. Used in point to point and point to ground resistance testing of floors, worksurfaces, floor mats or any flat object, the PRS-801-W produces repeatable measurements in accordance with ESD Association standards.

The PRS-801-W will work with any other resistance measuring meter for specification measurements.



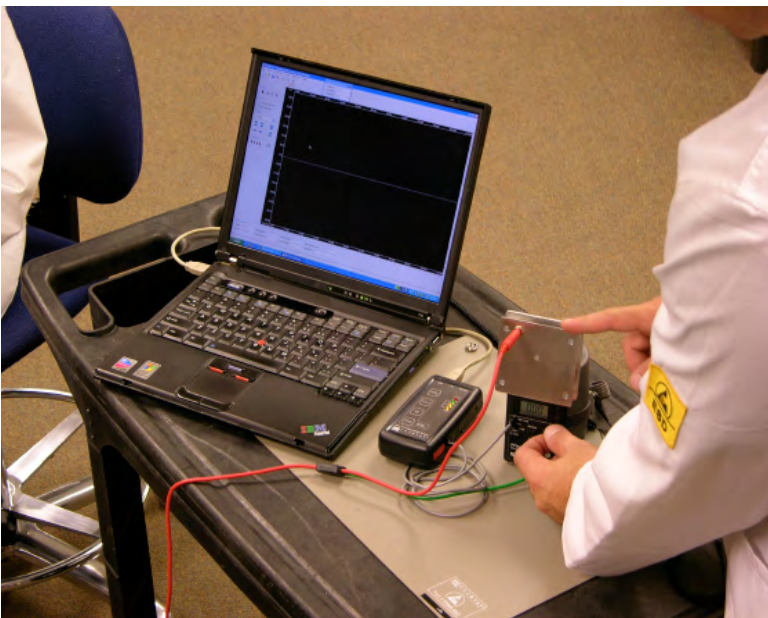


PGA-710B AUTOANALYSIS SYSTEM SET

The PGA-710B Autoanalysis System® allows experienced ESD Auditors to analyze any Facility or Manufacturing Process in conjunction with their Prostat PFK-100 Field Meter Set and computer.

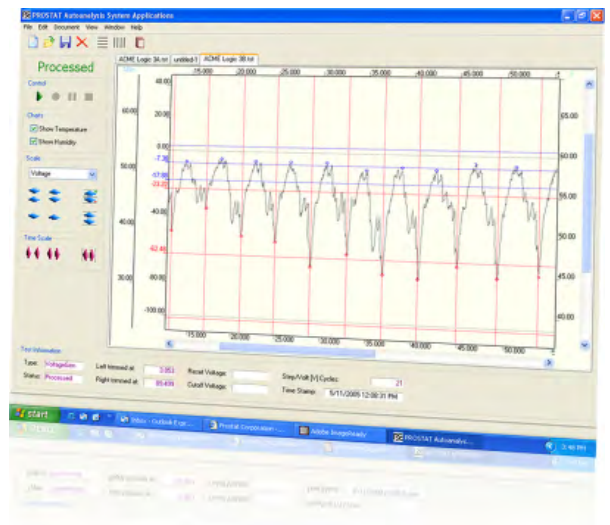
It records and analyzes measurements and automatically generates reports for Voltage Generation, Fields and Electrostatic Decay. Or the PGA-710B may simply function as an advanced recorder for general measurement and experimental applications. Use it to measure and analyze People, Floors, Footwear, Ionizers, Chairs, Carts, Equipment, Packaging Materials and other ESD control elements.

You may also record measurements remotely with the PGA-710B for later downloading and computer analysis using supplied software.



Measure, Record, Analyze & Report Electrostatic Voltage Generation and Decay Performance:

- Footwear and flooring combinations
- Carts & Chairs
- Packaging Materials & Systems
- Production Aids
- Worksurface Voltage Suppression
- Ionization Offset Voltage & Decay Performance
- Production Aids & Materials
- Record process equipment field voltages



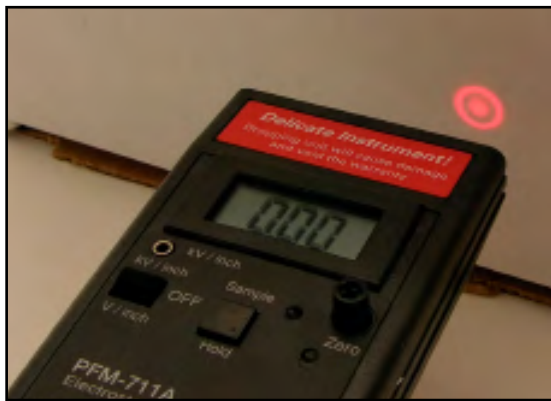
ESD ANALYSIS AT ITS FINEST!

System Requirements: Windows XP, Windows Vista, Windows 7 32-bit, Windows 7 64-bit, Windows 8 64-bit.

PFK-100 FIELD METER SET

The PFK-100 set includes Prostat's unique PFM-711A dual range field meter, CPM-720 charged plate monitor assembly and PCS-730 ± 1 kv charging source.

With this instrument set you can measure electrostatic fields, analyze ionizer performance and assess the voltage generation of materials, equipment and personnel.



PDT-740B STATIC DECAY TIMER

The PDT-740B Static Decay Timer is designed to measure the time required for a 1,000 volt charge to dissipate to less than 100, 50 or 10 volts in tenths of a second.

This extremely useful accessory is used with the Prostat PFM-711A Field Meter and CPM-720A Charge Plate Monitor to evaluate Ionizer Decay Time in accordance with ESD Association Ionization Standard SP3.3 and TR53.

The PDT-740B may be used to evaluate the static decay capabilities of materials, personnel, equipment and other products.





WRIST STRAP/FOOTWEAR CHECKER & FOOTWEAR AUDITOR

The PMT-872A is a unique, highly portable, battery operated multi-function PASS/FAIL performance verifier. It confirms the operational resistance range of wrist straps, heel straps and ESD controlled footwear.

The PMT-872A features a large test button, audible PASS BEEP with Green PASS light, Red LOW and HIGH Fail lights, and yellow battery low indicator.

The PFA-860 Footwear auditor is designed for resistance measurements of footwear while being worn by personnel.



PWA-805 WRIST STRAP AUDITOR

Add the capability of electrically testing your wrist straps according to ESD S1.1 Evaluation Testing Paragraph 5.1.

- Measure the Interior of the Wrist Strap Cuff
- Measure the Exterior of the Wrist Strap Cuff
- Measure the Resistance of the Ground Cord Alone
- Measure the Resistance of the Whole Wrist Strap Assembly



PHT-771 DIGITAL PSYCHROMETER

- Simultaneous display of %RH, Temperature and Dew point or Wet Bulb or Probe Temperature
- Wet bulb measurements without slinging
- Calculates T1-T2 differential (Air Temperature-External Probe Temperature) using optional probe
- Unique sensor cap design twists to closed position for protection during storage
- Switchable °F/°C temperature units with 0.1° resolution
- Data Hold freezes current reading on display
- Max/Min readings

PGT-61-164 UNIVERSAL SURETEST® CIRCUIT ANALYZER

The PGT-61-164 SureTest® Universal Circuit Analyzer test circuits according to ANSI/ESD S6.1-Grounding. Verify the following wiring conditions:

- Neutral and equipment grounding conductor wires are present and not connected to each other
- Hot and neutral wires are not reversed
- Hot and equipment grounding conductors are not reversed
- Impedance of the equipment grounding conductor is not greater than 1 ohm

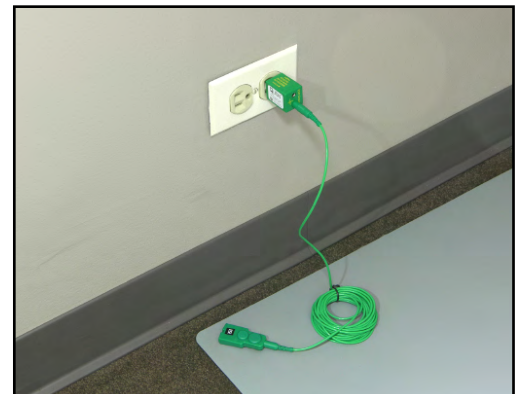
In addition, you can effectively test and troubleshoot a branch circuit.



Q007 ESD GROUNDING CUBE

The Prostat Qube™ replaces expensive electrical ground circuit testers and indicators with a convenient, cost effective means to connect vital ESD controls to grounded electrical outlets.

Use the Qube to ground workstations, mats, wrist strap testers, instruments, and other ESD products to an approved pre-tested facility electrical ground. It consists of a heavy duty dual banana receptacle frame encased in fire retardant ABS with a solid brass grounding pin.





PWS-610M FABRIC BAND WRIST STRAP

In conjunction with the best product designers in the ESD industry, Prostat has created new refinements in wrist strap technology. Prostat wrist straps are specially designed for durability, light-weight, portability and comfort.

These unique personnel and instrument grounding products are intended for use in demanding, high performance applications where reliability is the priority.

PWS-620 METAL BAND WRIST STRAP

The PWS-620 Wrist Strap features a metal wristband that incorporates a patented linking system. It enables you to adjust the strap to fit virtually any wrist size. This unique band comes manufactured in 130mm lengths and can be easily enlarged using one or more of the five 10mm nylon expansion links included.

The band is extremely comfortable, as each one is “custom fit” to the user. This band eliminates the need to stock bands of various sizes.



Q007-PGT SURETEST AND QUBE

Test Electrical Circuits and provide an ESD ground path to a previously tested receptacle with the Qube

Includes:

- PGT-61-164 Universal SureTest Circuit Analyzer
- 12 inch Universal Extension Cord
- 12 inch Extension Cord for Asia
- Q007-T Tube of 5 Qubes

PAR-809C VARIABLE RESISTANCE REFERENCE

ISO-9001 requires that measurement equipment be calibrated or verified at specified levels prior to use.

With the proper use of the PAR-809C, calibration of resistance indicating equipment is easily verified assuring accurate, functional performance of critical ESD control tools.

The PAR-809C provides low cost in-plant verification.

No need to pay for outside services, if calibration is not necessary.

Easy to use

Each of the 12 verification points are indicated with bright yellow LED's.



Using 1 percent tolerance resistors, the PAR-809C offers twelve values from 1.2×10^4 to 1.0×10^9 .

USE THE PAR-809C TO CHECK:

- Wrist Strap Testers
- Footwear Testers
- Resistance Indicating Devices

Use the Prostat PAR-809C to “verify your test equipment is operating properly”¹ as recommended in ESD TR53-010-06.

¹ ESD TR53-01-06 Compliance Verification of ESD Protective Equipment and Materials

PRF-930 POWDER FIXTURE

Now you can measure the resistance of powders, accurately & easily, on site.

For measurement of powders and granulated materials.



For use in the following Industries:

- Chemical
- Pharmaceutical
- Food
- Beverage
- Cosmetics
- Plastics
- Cement
- Paints and Pigments
- Grain
- Mining
- Pulp and Paper
- Stone
- Clay and Glass
- Rubber
- Petroleum
- Household Products
- And many others



PAS-TR53 COMPLETE AUDIT KIT

The ultimate PAS kit covers all requirements of resistance, and ionization auditing. When paired with a graphic recorder or data acquisition instrument you can also determine body voltage generation. Advanced analysis of process and analytical audit measurements are available in the complete PAS-TR53 kit. This is the most cost effective, comprehensive audit kit in today's market place.








The PAS-TR53 provides the widest range of auditing. In addition to all resistance audit capabilities, the PAS-TR53 provides ionization offset and decay time measurements, as well as body voltage generation in accordance with STM97.2.








The battery-operated PFM-711A Field Meter is a compact electronic "chopper" design with accuracy of $\pm 2\%$ at ambient conditions (23°C and 30% Rh). It features automatic polarity, measurement "Hold" button, low-battery indicator, high and low ranges, distance ranging lights for accurate and repeatable measurements, manual zero control and a ground snap. With two supplied analog output cables, it can be used in conjunction with an X-Y plotter, the PDT-740B Static Decay Timer or any analog data recording device.

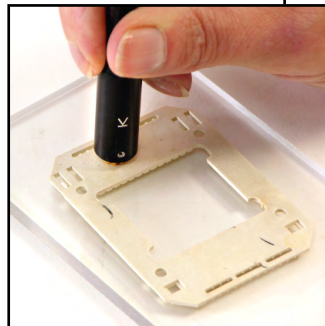
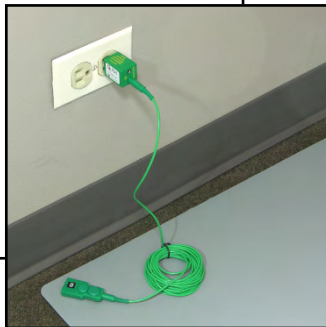
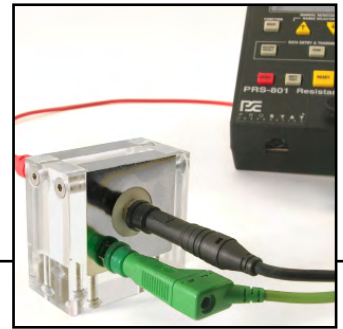
The CPM-720A Charge Plate Assembly is 3.25 inches square. It attaches to the PFM-711A field meter for ionizer balancing, per STM3.1, voltage or charge generation, charge decay and voltage suppression analysis.



PROSTAT PROFESSIONAL AUDITING KITS

	<p>PFK-101 Basic Field Kit</p> <p>An Introduction to the Portability and Functionality of the Prostat Line.</p>
	<p>PIK-110 Ionization Kit</p> <p>Measure ionizer performance with the upgradable PIK-110.</p>
	<p>PRK-130 Advanced Powder Resistance Kit</p> <p>For measurement of powders and granulated materials.</p>
	<p>PET-160 Packaging Engineers Test Kit</p> <p>Perfect for developing new materials or verifying existing products.</p>
	<p>PGA-710 Autoanalysis System Kit</p> <p>Measure, Record, Analyze & Report Electrostatic Voltage Generation and Decay Performance.</p>
	<p>PMK-151 Resistance System Kit</p> <p>Resistance Measurements With Computer Download Capabilities.</p>
	<p>PMK-152 Floor Resistance Test Kit</p> <p>General Floor Auditing and Resistance Measurements.</p>

	<p>PAK-210 ESD Auditor's Kit</p> <p>Expand Your Measurement Capabilities by Downloading Data to Your Computer. Designed for ANSI/ESD S20.20 Program Applications.</p>
	<p>PAK-212 Basic System Kit</p> <p>Measure Resistance, Electrostatic Fields, and More. Designed for ANSI/ESD S20.20 Program Applications.</p>
	<p>PFC-252 Professional Floor Certification Kit</p> <p>Everything you need to certify a floor, or floor and footwear combinations.</p>
	<p>PAS-TR53 Complete Audit Kit</p> <p>The ultimate PAS kit covers all requirements of resistance, and ionization auditing. Meets audit requirements of ESD TR53.</p>
	<p>PSK-310 ESD System Analysis Kit</p> <p>The choice of advanced professionals includes computer download capabilities. Designed for ANSI/ESD S20.20 Program Applications.</p>
	<p>PSK-312 ESD Basic System Analysis Kit</p> <p>Includes PRS-812 Resistance Meter Set. Designed for ANSI/ESD S20.20 Program Applications.</p>
	<p>PPA-400 Process Analysis Kit</p> <p>The PPA-400 ESD Process Analysis Kit is for advanced professionals who need materials testing, facility evaluation and process analysis capabilities all in one kit.</p>



CARRIED BY
PROFESSIONALS

Prostat Corporation

1072 Tower Lane
Bensenville, IL USA 60106
Toll Free: 1-855-STATIC1
Main: (630) 238-8883
Fax: (630) 238-9717

E-mail: sales@prostatcorp.com

Web access: http://www.prostatcorp.com

Distributed by



Dou Yee Enterprises (S) Pte Ltd

2304 Bedok Reservoir Road,
Bedok Industrial Park C,
Singapore 479223
Tel: +(65) 6444 2678
Fax: +(65) 6743 7172

E-mail: s2_marketing@douyee.com.sg

Web access: http://www.douyee.com