

# PFC-252

## PROFESSIONAL FLOOR CERTIFICATION KIT





Distributed by

**Pro-Pack Materials Pte Ltd**

The ESD & Cleanroom Specialist

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# FLOOR CERTIFICATION

The PFC-252 Professional Floor Certification Kit is specifically designed for anyone who is verifying floor performance to ANSI/ESD S20.20, IEC 61340-5-1, or other company requirements.

The PFC-252 includes Prostat's PRS-812B Resistance Meter with Premium 5 pound Conductive Rubber Electrodes and Prostat's Cable Spacers for exact measurements. The PRS-812B wide range resistance system can take measurements at 10 and 100 volts with accuracy within ±5%.

Also included is the PFK-100B Field Meter Set. The PFK-100B set includes Prostat's unique PFM-711B dual range field meter, CPM-720B charged plate monitor assembly and PCS-730B ±1 kv electrostatic charger. With this instrument set you can measure electrostatic fields, analyze ionizer performance and assess the voltage generation of materials, equipment and personnel.

The PGA-710B is a unique electrostatic data analysis device for use with Prostat's PFK-100B Fieldmeter/Charge Plate Monitor Set. It records, plots, analyzes and automatically constructs reports of body voltage generation, electrostatic decay, voltage retention, ionizer performance and other static measuring functions. Its analytical features document and automatically calculate projected levels of typical Human Body (HBM) voltages. It helps determine the risk of equaling or exceeding damaging or hazardous HBM discharge voltages in static sensitive facilities on the floor.

The PFC-252 Professional Floor Certification Kit is shipped with an Operator's Manual, Prostat's exclusive Floor Test Manual and the ANSI/ESD S7.1, ANSI/ESD STM97.1 and ANSI/ESD STM97.2 ESD Association Standard Test Methods.

Everything you need to certify a floor, or floor and footwear combinations.



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## PRS-812B RESISTANCE METER

The PRS-812B is a constant voltage, wide range ohmmeter with data logging and calculating capabilities. Fully portable and battery operated, the PRS-812B measures resistance from 0.10 to  $1.0 \times 10^{12}$  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., 1.55E8.

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-812B records and stores up to 120 measurements and calculates minimum, maximum and average of all stored data.

Fully automatic, the PRS-812B 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 0.10 to  $1.00 \times 10^{12}$  ohms. Designed for the Professional Corporate ESD Auditor.**

- Measures resistance from 0.10 to  $1.0 \times 10^{12}$  ohms with overall measurement accuracy of  $\pm 5\%$ .
- Records and stores up to 120 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.
- Rechargeable Li-ion Battery operated



# WIDE RANGE. ACCURATE. PORTABLE.



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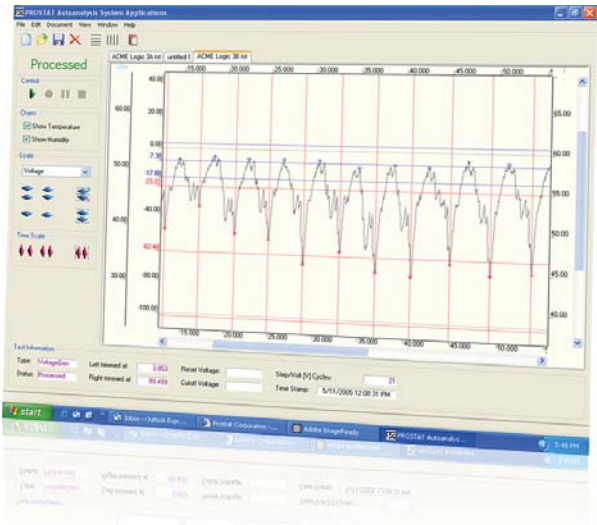
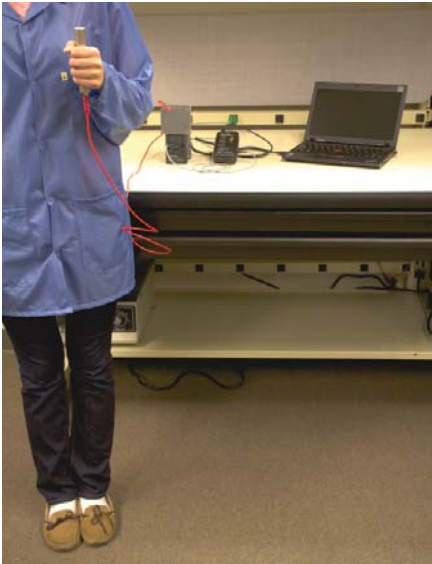


# PGA-710B AUTOANALYSIS SYSTEM SET

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

# IN ACCORDANCE WITH ANSI/ESD STM97.2

**System Requirements:** Windows XP, Windows Vista, Windows 7 32-bit, Windows 7 64-bit, Windows 8, Windows 10



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## PFK-100B FIELD METER KIT

The PFK-100B set includes Prostat's unique PFM-711B dual range field meter, CPM-720B charged plate monitor assembly and PCS-730B electrostatic charger.

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



## 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



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# PFA-860 FOOTWEAR AUDITOR

The PFA-860 Footwear auditor is designed for resistance measurements of footwear while being worn by personnel. It is designed for use in conjunction with the Prostat PRS-801 or PRS-812 resistance sets.

The 860 can be used to:

- measure individual body resistance through the body to the test plate;
- measure resistance through the body and shoes (one or both shoes) to the test plate; and,
- measure resistance through a shoe to the test plate.



# PGT-61-164 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.



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# PRS-801-WV PREMIUM CONDUCTIVE RUBBER ELECTRODES

The PRS-801-WV Premium Conductive Rubber Electrodes are ideal for qualifying or certifying newly installed ESD Floors, Worksurfaces and other ESD control products. While virtually all 5 pound, 2.5 inch electrodes in today’s industry are perfect when delivered to their end users, over time they may change considerably.

The Prostat Premium Electrodes are measured as described in ANSI/ESD S4.1 for electrode diameter, durometer and resistance of the pad. In addition, these electrodes are electrically tested for flatness using the Prostat PRV-813 Conductive Rubber Electrode Verifier.



# PRV-813 CONDUCTIVE RUBBER ELECTRODE VERIFIER

The PRV-813 is a two-sided fixture designed to assess the flatness of conductive rubber electrodes, and their total resistance to surfaces under test. While virtually all 5 pound, 2.5 inch electrodes in industry are perfect when delivered to their end users, over time they may change considerably. Variation in electrodes may be due to extreme use, contamination, poor storage or ambient conditions, general wear, rough handling, and degradation over time.

This is not a criticism of electrodes or their manufacturers. Rather, electrode degradation is a reality. Over 70% of all audit and periodic verification measurements made to support ANSI/ESD S20.20 and IEC ESD Program Standards are conducted using 5 pound, 2.5 inch electrodes. Consequently, a set of electrodes may be required to make several thousand measurements each year. Rarely are these important fixtures assessed for resistive performance or flatness.



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## 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, lightweight, 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.



## Q007B COMMON POINT GROUND CONNECTOR

The Prostat Q007B Qube™ replaces ordinary electrical grounding devices with a convenient, cost effective means to connect several ESD controls to a single grounded electrical outlet.

Use the Q007B Qube™ to ground workstations, mats, wrist strap & testers, instruments, and other ESD control products to a pre-tested facility electrical ground. It consists of a robust multi receptacle frame encased in fire retardant ABS with a



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# PK-375 MOLDED CARRYING CASE



- Telescoping, retractable pull handle
- “Roller-blade” style wheels
- Molded in bumpers
- Foam Insert for protection of equipment
- 2 TSA locking latches and keys

## Cases with wheels and slide away handle

The PK-375 is a hard shell case with retractable handle and wheels. The cases also contains foam inserts for protection of test equipment and accessories. The case includes a PAB-024 Accessory Box. Also included are 2 TSA locking latches with keys.



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