

# PSK-310

## ESD SYSTEM ANALYSIS KIT





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**Pro-Pack Materials Pte Ltd**

The ESD & Cleanroom Specialist

📍 No. 2, Bukit Batok Street 23, #08-05 Bukit Batok Connection, Singapore 659554.

✉ [sales@pro-pack.com.sg](mailto:sales@pro-pack.com.sg)

☎ (65) 6354 1511



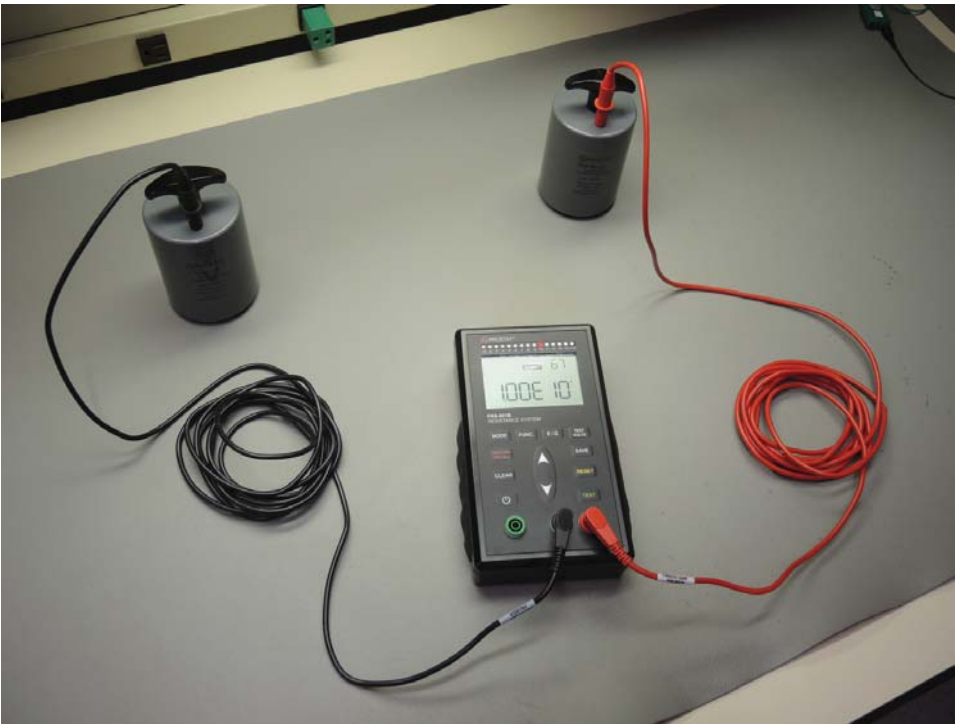
# PRS-801B RESISTANCE SYSTEM

The PRS-801B Resistance System Set is a wide range meter capable of measuring resistance from 0.01 ohm to 2.00E+14 ohms (200 Teraohm). The PRS-801B uses a constant test voltage system that is extremely stable and consistent with lab level, bench top instruments.

- Resistance Range: 0.01  $\Omega$  to 2.00x10<sup>14</sup>  $\Omega$
- Accuracy of  $\pm 2\%$  from 1.00  $\Omega$  to 9.99x1010 $\Omega$
- Uses a Rechargeable Li-ion Battery Pack
- Digital LCD Display & LED Indication
- 999 Data Point Memory
- Software for Data Download to PC
- Includes Lead Sets, Steel & Insulative Test Beds, and Calibration Shunt



The PRS-801B is one of the fastest resistance meter on the market. Its specified electrification period (EP) from 0 to 1.0x10<sup>12</sup> ohms is 15 seconds in accordance with ANSI/ESD STM 11.11 Surface Resistance of Planar Materials.



## 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.



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# PRF-911 CONCENTRIC RING SET

Designed originally for flat (planar) packaging materials, this unique portable test fixture will measure Surface and Volume Resistance of virtually any flat material in accordance with current industry standards.

These include Surface Resistance per ANSI/ESD STM11.11, and Volume Resistance per ANSI/ESD STM11.12, and will approximate surface and volume resistivity measurements per ASTM D-257.

The PRF-911 Concentric Ring is a low-profile test fixture conceived specifically for use with the Prostat Resistance instruments such as the PRS-801 Resistance System, PRS-812 Resistance Meter and the PAS-853B Resistance Auditing System.

The Concentric Ring is an important tool to calculate surface resistivity and volume resistivity. For example, multiply the surface resistance measurement in ohms by 10 to obtain surface resistivity in ohms/square.



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.



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# 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  $1.2 \times 10^4$  to  $1.0 \times 10^9$ .

### 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”<sup>1</sup> as recommended in ESD TR53-010-06.

<sup>1</sup> ESD TR53-01-06 Compliance Verification of ESD Protective Equipment and Materials



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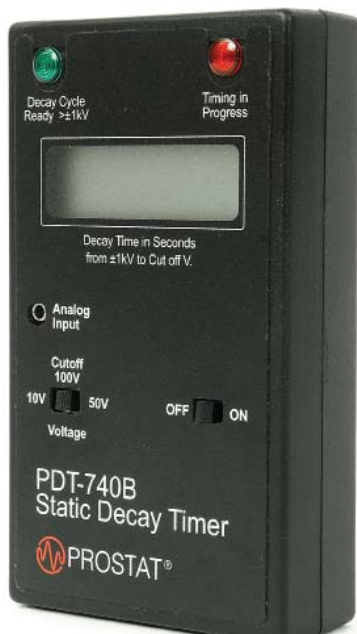




## PFK-100B FIELD METER KIT

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.



## 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.



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# PFK-100H INSTRUMENT HOLDER



**Designed to hold:**

- PFM-711A or PFM-711B Field Meter
- CPM-720A or CPM-720B Charge Plate Monitor
- PDT-740B Decay Timer or PGA-710B Autoanalyzer



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## 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.



## 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 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, 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.



## PHT-771 DIGITAL PSYCHROMETER

The PHT-771 Digital Psychrometer simultaneously displays %RH, temperature as well as dew point, web bulb or probe temperature.

The handheld PHT-771 hygro-thermometer psychrometer, weighing only 3.3 oz. (95g), has a basic accuracy of 0 to 100%RH ( $\pm 3\%$ RH) for humidity and  $\pm 1.8^{\circ}\text{F}$  ( $\pm 1^{\circ}\text{C}$ ) for internal and external temperature.

Other features of the PHT-771 hygro-thermometer include data hold, auto power off, and MAX / MIN readings. This psychrometer can also calculate the T1-T2 differential using the optional probe and T2-Dew Point.





## PRS-801W CONDUCTIVE RUBBER ELECTRODES



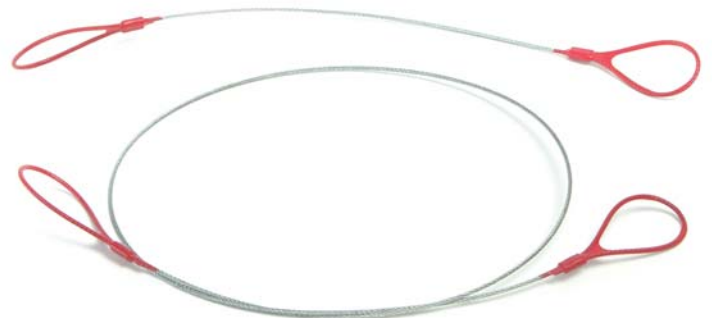
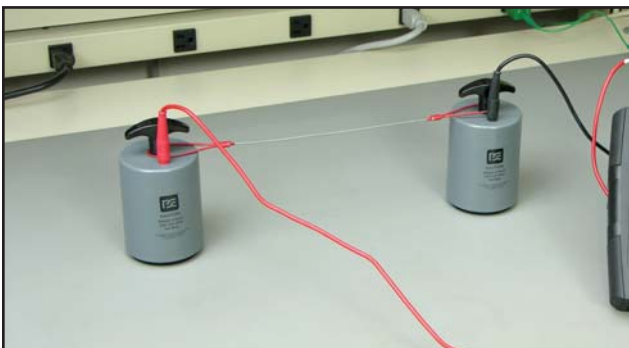
The PRS-801W is a precision milled resistance probe with conductive rubber pad for use with any resistance meter. Used in point to point and point to ground resistance testing of floors, worksurfaces, floor mats or any flat object, the PRS-801W produces repeatable measurements in accordance with ESD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

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



## PRS-800CS CABLE SPACERS

This set consists of one 10 inch and one 36 inch Cable Spacer. These are convenient for measuring Point-to-Point according to ANSI/ESD S.1 and ESD ANSI/ESD S4.1 using the PRS-801-W 5 lb Conductive Rubber Electrodes.



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# PK-375 MOLDED CARRYING CASE

The PK-375 Carrying Case is a Hard Shell case with a retractable handle and wheels. The case also contains foam inserts for protection of test equipment and accessories. The case includes a PAB-024 Black Accessor Box. Also included are 2 TSA locking latches with keys.



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



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more info at:  
[www.prostatcorp.com](http://www.prostatcorp.com)

call: +1 630 238-8883  
Toll Free in USA: +1 855-STATIC1  
(782-8421)

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