The single choice that gives three precision choices for surface resistance & resistivity measurement.

Model 152 Surface Resistance/Resistivity Meter

Delivering precision surface resistance measurement on virtually any conductive, dissipative, and insulative material you can think of. Garments. Work surface. Flooring. Three probe configurations offer complete flexibility. Along with these exceptional features:

- Exceptional accuracy, stability and repeatability
- Concentric ring probe preamplifier eliminates interference and enables reliable operation at high resistance values
- Complies with ESD Association standards concerning surface resistance, including STM2.1, STM4.1, STM7.1, STM11.11 and STM11.13
- Elastomer electrodes for excellent surface contact
- Battery or AC line operated with automatic shutoff
- Lightweight and portable
- CE compliant

SPECIFICATIONS: MODEL 152

Resistance/Resistivity Measurement Range	*Measurement Accuracy at 25°C ±5°C, 50% ±10% Relative Humidity:*
Model 152P-CR *Concentric Ring Probe* 10^4 to 10^{14} ohms/square	*Model 152P-CR* *Concentric Ring Probe* 10^4 to 10^{13} ohms/square, ±2.5% of LCD reading, 10^{14} ohms/square, ±5% of LCD reading
Model 152AP-5P *Point-to-Point Probes* 10^3 to 10^{12} ohms	*Model 152AP-5P* *Point-to-Point Probes* 10^3 to 10^{11} ohm range, ±2.5% of LCD reading, 10^{11} to 10^{12} ohm range, ±5% of LCD reading
Model 152P-2P *Two-Point Resistance Probe* 10^3 to 10^{12} ohms	*Model 152P-2P* *Two-Point Resistance Probe* 10^3 to 10^{11} ohm range, ±2.5% of LCD reading, 10^{11} to 10^{12} ohm range, ±10% of LCD reading

Extreme precision makes it the ideal choice for testing:

- *Dissipative materials*
- *Floor coating effectiveness*
- *Floor, mat, bag and other material resistance*

3 probe choices:

- *Concentric ring*
- *Point-to-point, resistance to ground*
- *Two-point resistance*

Its ultrasensitivity makes it the only choice for ultralow voltage applications.

Model 540 Electrostatic Monitor

It's used in the most critical applications. In semiconductor. LCD. Electronic assembly. Hard disk drive manufacturing. Where static charge accumulations pose a threat to production yields and/or product quality. Where high accuracy ion balance measurement to less than one volt is required. Where you need everything the Model 540 offers:

- Virtually infinite input resistance design
- Less than 0.1 picoampere ion current required for full accuracy and stability
- More than 2000 times more sensitive than competing designs
- $3^{1/2}$ Digit DPM displays present voltage readings with 0.1 V resolution
- LED bar graph displays present voltage and holds most positive (+) and most negative (-) voltage values
- Programmable audio/visual alarms
- DC stable in ion fields
- Bandwidth greater than 2.5 kHz
- Measurement range ±100 V DC or peak AC

SPECIFICATIONS: MODEL 540

Monitored Voltage Range	*Measurement Accuracy*
0 to ±100 V DC or peak AC	0.2% of full scale

The ultrasensitive choice for accurate air ionizer monitoring in:

- *Hard disk drive production*
- *LCD manufacturing*
- *Electronic assembly*
- *Automated test handling*

About Trek.

A successful company with acknowledged leadership qualities.

Founded on Technology

TREK, INC. was established in 1968 to serve the needs of the electrophotographic industry for highly accurate, stable, cost-effective measurement instrumentation and devices. Novel probe design technology provided the foundation for the company's first electrostatic voltmeter, which quickly became the industry standard. Trek's design ensures highly accurate measurements under extreme conditions, unlike other electrostatic measurement products.

Growth through Innovation

In the decades that followed, Trek established itself as a designer and manufacturer of high quality instrumentation. Innovative designs and unique solutions have fueled product development over the years. Trek developed the world's first all-solid-state, high-voltage, high-speed, DC-stable amplifier, which is now the product of choice for medium-current ion implantation systems in semiconductor fabrication facilities around the world. As a result of Trek's close working relationship with its customers, new designs are constantly being created to answer the needs of industries as they evolve and grow.

Established Technical Expertise and Application Knowledge

Our scientifically based measurement expertise, coupled with our application knowledge, has enabled us to establish an enviable position in the markets we serve. We are the experts when it comes to highly accurate measurement instruments and high-voltage amplifiers, and the technology that drives them. The technical expertise of the individuals at Trek is equally matched by their application knowledge. Customers have come to depend on Trek to understand both the technical aspects and practical realities of an application, often viewing Trek as a virtual member of their product development team.

Dedicated to Excellence

Trek has a well-respected reputation for excellence. We are the premier resource for electrostatic measurement and high-voltage solutions due to our product leadership and engineering excellence. If we don't have a product on the shelf that suits your application, we can design the right solution for you. That's how serious we are about serving your needs, and why excellence is associated with the Trek brand.

Committed to the Global Marketplace

Early on, Trek saw the importance of a global presence. In 1987 Trek Japan KK, a subsidiary of TREK, INC., was founded in Tokyo, Japan for the purpose of providing sales, application engineering support and service to customers in Japan and elsewhere in the Pacific Rim region. A global sales and service network now exists to serve the needs of customers throughout the world.

Leading the way in electrostatic measurement for EOS/ESD applications.

Electrostatic measurement represents a core technology for TREK, INC. The expanded utilization of this technology, beyond its initial use in electrophotography, is exemplified by our products for the measurement of electrostatics in a wide range of EOS/ESD applications. As the problems caused by ESD continue to take a toll across many industries, Trek is committed to providing new and unique methods to assist our customers with the measurement and control of ESD. Our Charged-Plate Monitors are unparalleled in performance and accuracy. Trek's AC Feedback Electrostatic Voltmeters have provided the world with a desirable alternative to fieldmeters. Both of these developments are the result of technology advancements patented by Trek. Our DC Feedback Electrostatic Voltmeters provide the ultimate in measurement accuracy and flexibility. Watch for more developments from Trek, the leader in electrostatic measurement applications.

Contact Trek the next time you have a challenge. Our Application Engineers are ready with answers for your toughest questions.

CE compliant for most products

CONTROL WITHOUT COMPROMISE

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