



PSI-870 Resistance/Resistivity Indicator

The Prostat PSI-870 Micro Kit includes an LED indicating, wide range resistance measurement instrument with broad application flexibility. It measures surface resistance in accordance with ESD Association ESD STM11.11, surface resistivity in accordance with ASTM D-257, resistance to ground, and resistance point to point. This meter gives simple, repeatable measurements to indicate whether a material is conductive, static dissipative or insulative.

The PSI-870 employs parallel bar sensing and features an easy to read LED light scale to measure a wide variety of ESD materials and equipment.

Specifications

Test Voltage & Current:	Nominal 9 Volts and 0.006 μ A to 1.0 mA
Power:	One (1) standard 9 Volts battery, PROCELL, Eveready #216 (NEDA 1604, JIS 006P, IEC 6F22)
Electrodes:	2 each Machined Brass, One (1) Square Resistivity configuration
Overall Accuracy:	$\pm 10\%$
Changeover Point:	Based on measured resistance; $\pm 1/2$ decade on logarithmic scale (i.e., 3.16×10^n)
Changeover Point Accuracy:	$\pm 1/2$ decade
Resolution:	One order of magnitude
LED Measurement Indications:	11 LED's with Dual scales: 10^3 to 10^{12} Ohms/square per ASTM 257 in one-decade increments 10^2 to 10^{11} Ohms per ESD STM11.11 in one-decade increments Over range indicator light for " Insulative " surfaces, i.e., $>10^{12}$ Ohms/square or $>10^{11}$ Ohms.

Auxiliary Connections:	2 each female banana for resistance range performance verification and direct point-to-point resistance measurements without electrodes.
	1 each Point to Ground Phono Receptacle for resistance measurements using one electrode
	1 each Electrode cut off switch
Operation Control:	One (1) PUSH to TEST Button
Operating Range:	40 to 120 °F (5 to 49 °C)
Storage Temp:	5 to 140 °F (-15 to 60 °C), Relative Humidity: 0% to 90%
Battery Life:	40 hours typical
Dimensions (L x W x D):	4.5" x 2.7" x 1.0" (11.4 cm x 6.9 cm x 2.6 cm)
Weight:	6 oz (170g)

©2007 Prostat Corporation. All rights reserved.
Prostat is the registered trademarks of Prostat Corporation in the United States and other countries.

1072 Tower Lane, Bensenville, IL 60106 USA
Phone +1 (630) 238-8883 Fax +1 (630) 238-9717
Web access: <http://www.prostatcorp.com>

Specifications subject to change without notice.
Printed in U.S.A. REV2: 6/20/07



Pro-Pack Materials Pte. Ltd.
Blk 970, Toa-Payoh North #04-18/21
Toa Payoh Industrial Estate, Singapore 318992
(65) 6-354-1511 Fax: (65) 6-354-1711

E-mail: sales@pro-pack.com.sg
Web access: <http://www.pro-pack.com.sg>