

Resistance/Resistivity Indicator ESI-870

Data Sheet

Simple, repeatable resistivity and resistance measurements

The ESI-870 Micro Kit includes an LED indicating, wide range resistance measurement instrument with broad application flexibility. It indicates surface resistance, surface resistivity and resistance to ground.

This meter gives simple, repeatable measurements to indicate whether a material is conductive, static dissipative or insulative. The ESI-870 employs parallel bar sensing and features an easy to read LED light scale to measure a wide variety of ESD materials and equipment.



Distributed by

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 ☎ (65) 6354 1511

Data Sheet

Specifications for the ESI-870 Resistance/Resistivity Indicator

Test Voltage & Current	Nominal 9 volts and 0.006 μ A to 1.0 mA
Power	One (1) standard 9-volt 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 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 S11.11 in one decade increments Over range indicator light for "Insulative" surfaces, i.e., >10 ¹² Ohms/square or >10 ¹¹ Ohms.
Operation Control	One (1) PUSH to TEST Button
Operating Range	40°F to 120°F (5°C to 49°C)
Storage Temperature	-15°C to 60°C (5°F to 140°F)
Relative Humidity	0% to 90%
Battery Life	40 hours typical
Dimensions	115 mm x 69 mm x 26 mm
Weight	6 oz

1072 Tower Lane, Bensenville, IL 60106 USA
 Phone +1 (630) 238-8883 Fax +1 (630) 238-9717

www.esdcheck.com

©2015 ESD Check. All rights reserved. ESD Check and the ESD Check logo are trademarks or registered trademarks of Prostat Corporation or one of its affiliated companies in the United States and/or other countries. All other trademarks or registered trademarks are the property of their respective owners. Complying with all applicable copyright laws is the responsibility of the user. Prostat reserves the right to change, without notice, product offerings or specifications. Printed in U.S.A. REV1: 6/1/11



Distributed by

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 (65) 6354 1511