

ASR Instruments

SIRTS

SURFACE INSULATION RESISTANCE TEST SYSTEM

SIRTS represents a new patented SIR/MIR and electrochemical migration test system. The engineers at ASR Instruments have been working with leading OEMs and the IPC SIR working committee to develop a test system that meets the latest SIR and electrochemical migration test requirements.



Made in USA

Meets & Exceeds the requirements for:

- Hewlett Packard's EL-EN861-00 (ECM) Test
- ANSI/IPC-JSTD001C (assembly requirements)
- IPC-TM-650
- IEC 61189-5 (process characterization)
- ISO 9455-17
- BELLCORE TR-NWT-000078
- DIN GERMAN & JIS JAPANESE STANDARDS
- IPC-JSTD-004 (solder flux characterization)
- IPC-SM-840 (solder mask)
- IPC-CC-830 & IEC 1086 (conformal coatings)

System Description:

ASR Instruments patented method sets a new standard for measuring SIR better than any of the existing systems on the market. The system uses a unique method of employing solid state switches instead of reed relays used in traditional systems. This eliminates leakage associated with systems using switching relays and enhances system reliability and accuracy. The scan time for 256 channels is reduced from several hours to less than 5 minutes.

- **Built-in and programmable IPC and other Standard Test Profiles**
- **Programmable Test Interval**
- **Real Time data display and graphs**
- **Optional plug-in Test Racks including Teflon wiring**

Specifications:

Capacity	8 to 256 Test Coupons
Scan Time	< 5 minutes
Measurement Range	1E6 to 1E13 Ohms
Accuracy	5 %
Bias Voltage	0 ,+/- (5V, 10V, 50V, 100V) and +/- 500V Optional
Test Voltage	0 ,+/- (5V, 10V, 50V, 100V) and +/- 500V Optional
Software	Windows 2000, XP, Vista - programmable for 2 or 5 wire Coupon
Calibration	Auto-calibration
Current Limiting.....	1 M Ohm on every channel
Type of Coupon	IPC B24, B25, B25A, B36, B52, or Custom test coupon
Power	110/240 VAC, 50/60 Hz
Optional	Chamber humidity and temperature monitoring and graphing



SIRTS design specifications reflect customer requests and requirements. State-of-the-art engineering and manufacturing ensure that it will perform reliably in a variety of environments.

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