



Patents pending.

SC6540

High Voltage & High Current Modular Scanning Matrix

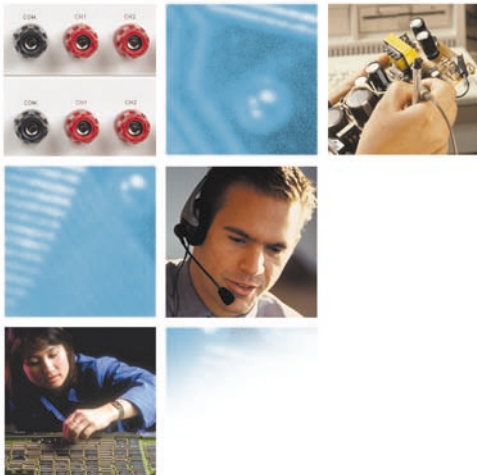
Product Description

The SC6540 modular scanner is designed to automate multi-point and multi-product testing when using OMNIA®, and HypotULTRA®III. There are 10 different configurations available that are built off of two basic scanning configurations determined by the power module. A master scanner is configured with its own power module and controlled directly through automation software. A slave scanner is configured without a power module and is controlled either by a master scanner or the electrical safety tester. The modular design provides a flexible testing solution that is configurable to any manufacturer's needs.

A master scanner is controlled through automation and comes complete with both IEEE-488 (GPIB) and RS-232 interfaces. In addition, it can control up to four slave scanners, which could provide up to a maximum of 80 connections from a single power source. A slave scanner is controlled directly through an OMNIA®, or HypotULTRA®III model.

Features and Benefits

- Configurable scanning matrix
- Multi-point or multi-product testing capabilities
- Automation interfaces for Autoware® control
- Point-to-point continuity tests
- Up to 16 high voltage switching channels on a single scanner
- High current outputs rated up to 40 Amps
- Up to 80 testing points from a single power source
- Compact 2U rack mount design



SC6540

At Associated Research, Safety Compliance Testing Is Our Only Focus.

Configurations

The modular design allows for a variety of configurations. In addition to master or slave configurations, the scanners can also be set-up with the following configurations, 8 or 16 high voltage testing channels, 8 high voltage and ground bond testing channels, and 8 or 16 ground bond testing channels.

The different configurations (shown right) are indicated by the following alpha designators

M = Master Scanner
H = 8 High Voltage Channels
HH = 16 High Voltage Channels
G = 8 Ground Bond Channels
GG = 16 Ground Bond Channels
N = Empty Module

Modular Scanning Matrix Specifications

Input (Master only)	115 VAC (+/- 10%), 50/60 Hz, single phase 230 VAC (+/- 10%), 50/60 Hz, single phase User selectable
Fuse (Master only)	250V/2A/fast-blow
PC Control (Master only)	One GPIB connection and one RS-232 connection
Scanner Control	Master: one scanner bus output controls up to 4 additional slaves Slave: one output and one input
Maximum HV Rating	5kV AC and DC
Maximum HC Rating	40 amperes
No. of Possible Channels	8 or 16
HV Output Terminations	100 ft. reel HV cable rated for up to 30kV with 8 HV connectors
GND Output Terminations	20 terminals provided, to accept 10/12 AWG hook-up wire (user supplied wire)
Temperature	32° - 104° F (0° - 40° C)
Humidity	0 - 80%
Altitude	6560 ft. (2000 m)
Dimensions	2U with tilt-up front feet (WxHxD) 17 x 4.07 x 12.96 in. (432 x 103 x 329 mm)
Weight	Master: 20.05 lbs. max. (9.09 kgs) (with 2 high voltage modules) Slave: 15.45 lbs. max. (7.01 kgs) (with 2 high voltage modules)



Model SC6540 HNM*
8 Channel High Voltage Scanner



Model SC6540 HHM*
16 Channel High Voltage Scanner



Model SC6540 HGM*
8 Channel High Voltage & 8 Channel High Current Scanner



Model SC6540 GNM*
8 Channel High Current Scanner



Model SC6540 GGM*
16 Channel High Current Scanner

*Also available in slave configuration.

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