

# SC6540

THE PATENTED MODULAR SCANNING MATRIX THAT  
REVOLUTIONIZED PRODUCTION LINE & LABORATORY  
ELECTRICAL SAFETY COMPLIANCE TESTING

SCAN FOR  
QUICK  
START VIDEO

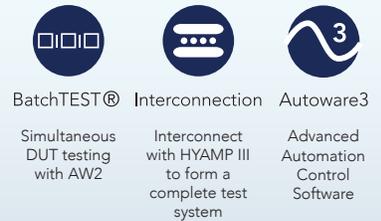


Our patented SC6540 modular scanning matrix pioneered the largest productivity improvement in the electrical safety compliance industry in years. With up to 16 independent high voltage or high current channels in a convenient 2U design, the SC6540 can be customized in 10 different configurations for multi-point Hipot, Ground Bond, Insulation Resistance, and Line Leakage testing. Configure the SC6540 according to your needs, and interface with your OMNIA® II, HypotULTRA®, or LINECHEK® instrument to improve production line throughput or expand lab testing capability. Operate from the front panel of your AR instrument or utilize a variety of automation interfaces for direct PC control.

## AVAILABLE INTERFACES



## PRODUCTIVITY ENHANCING FEATURES



## FOR USE WITH THE FOLLOWING TESTS



High Voltage



High Current



8 Channel



16 Channel

HN	•		•	
HH	•			•
HG	•	•		•
GN		•	•	
GG		•		•

Available in both master and slave configurations

**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)	250 V/2 A/fast-blow
PC Control (Master only)	Choice of Ethernet, GPIB or USB/RS-232
Scanner Control	Master: one scanner bus output controls up to 4 additional slaves Slave: one output and one input
Maximum HV Rating	5 kV AC and DC
Maximum HC Rating	40 Amps
No. of Possible Channels	8 or 16
HV Output Terminations	100 ft. reel HV cable rated for up to 30 kV 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 kg) (with 2 high voltage modules) Slave: 15.45 lbs. max. (7.01 kg) (with 2 high voltage modules)

**CONFIGURATIONS**

The modular design can be customized to fit your application. In addition to master or slave control, the SC6540 can be set up in the following configurations: 8 or 16 high voltage channels, 8 or 16 high current channels, and 8 high voltage channels and/or 8 high current channels. Refer to the images for details.

The different configurations (shown below) 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
- S = Slave

\*Also available in slave configuration



**MODEL SC6540 HNM\***  
8 Channel High Voltage Scanner



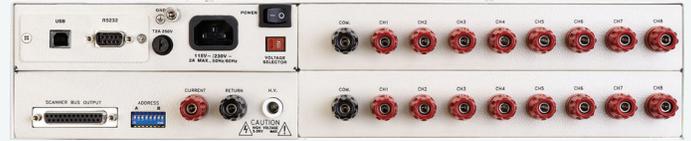
**MODEL SC6540 HHM\***  
16 Channel High Voltage Scanner



**MODEL SC6540 HGM\***  
8 Channel High Voltage Scanner  
8 Channel High Current Scanner



**MODEL SC6540 GNM\***  
8 Channel High Current Scanner



**MODEL SC6540 GGM\***  
16 Channel High Current Scanner

**Why We Use Counts**

Associated Research publishes some specifications using "counts" which allows us to provide a better indication of the tester's capabilities across measurement ranges. A count refers to the lowest resolution of the display for a given measurement range. For example, if the resolution for voltage is 1V then 2 counts=2V. Specifications subject to change without notice.