

Benefits of Using a Multiplexer for Multi-Point Testing

The SC6540 multiplexer is designed to automate multi-point and multi-DUT testing when using the OMNIA® II Series and HypotULTRA® Series



MODULARITY

A flexible modular design allows you to increase the number of scanner channels to fit a particular application.



INCREASE PRODUCTION

You no longer need to manually change test connections in between test steps.



IMPROVE OPERATOR SAFETY

Multiplexers increase operator safety and minimize damage to the DUT by no longer requiring you to change test leads during testing or in between test steps.

FEATURES



AUTOMATION

WithStand® allows the test operator to configure multiple test routines, execute them and store the test results on a PC or a local network.



SC6540 CONFIGURATIONS



High Voltage



High Current



8 Channel



16 Channel

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

Available in both master and slave configurations



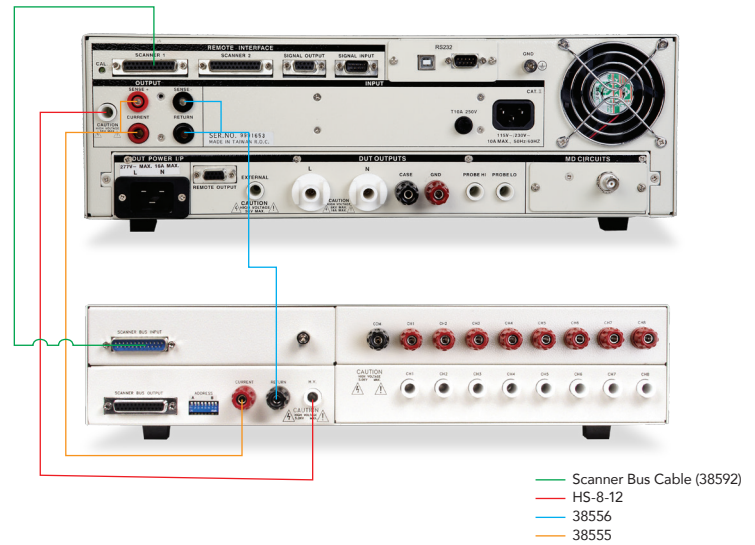
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Internal Multiplexer



The HypotULTRA® models 7820 and 7850 offer a 4 or 8 channel HV internal scanner as an option. Additionally, the OMNIA® II models 8204 and 8254 offer an 8 channel HV and 8 channel HC internal scanner option. The high voltage channels can be configured from the front panel of the instrument or through Withstand®. This model is perfect for cable harness and motor manufacturers that must subject multiple test points to high AC or DC voltages.

External Multiplexer



An OMNIA® II or HypotULTRA® electrical safety testing instrument and external SC6540 multiplexer are an ideal solution for appliance or medical device manufacturers that must perform multiple safety tests at different points on each product. The SC6540 multiplexer can be configured from the front panel of the test instrument or through Withstand®.

Quick Specs

	MASTER	SLAVE
Input	115 VAC ($\pm 10\%$), 50/60 Hz, Single Phase 230 VAC ($\pm 10\%$), 50/60 Hz, Single Phase User Selectable	NA
Fuse	250V/2A/Fast-Blow	NA
PC Control	GPIO, USB/RS-232 or Ethernet	NA
Scanner Control	1 Scanner Bus Output Controls up to 4 additional Slaves	1 Output and 1 Input
Maximum High Voltage Rating	5 kV AC & DC	
Maximum Current Rating	40 Amperes	