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Instruments for Electrical Safety Compliance Testing

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High Voltage and High Current Scanning Systems

For Automated Multi-Point, Multi-Product Testing Using QUADCHEK II or HypotULTRA II to test to UL, CSA, IEC, VDE, BSI, and other agency standards. Scanner systems are ideal for applications where multiple points of the same item need to be tested quickly and accurately. Scanners are also applicable when high volume manufacturing calls for multiple item testing.

The HS-8A will interconnect directly to either the QUADCHEK II model 7564SA 4-in-1 system or the HypotULTRA II model 7550DT 3-in-1 system. The HS-16 includes either an RS232 or IEEE 488 (GPIB) interface so that it can can be used in an automated system that requires 16 or more outputs.



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The HS-8A does not require its own power source. It is powered by the controlling instrument through the interconnect control cable. The HS-8A allows for quick connection to test up to 8 high voltage and ground bond points. Through the controlling instrument setup program, the operator can select which output port to activate. The operator can also select to activate all outputs simultaneously or to go through each output in any order sequentially. Each high voltage output can be setup through the controlling instrument to be high, low or off which offers the flexibility to test various configurations on a single item.

The HS-16 can be setup through either a GPIB or RS232 software program to select the outputs. Since a GPIB bus will allow connection of up to 15 instruments, a total of up to 14 HS-16's and either a HypotULTRA II or QUADCHEK II could be connected to a single GPIB card. A front panel indicator lights when high voltage or high current is activated. Color coded LED displays on both the HS-8A and the HS-16 indicate which output is activated and whether it is setup as a high or low connection. Both scanner enclosures are standard 19 inch, rack-mount style.

Accessory:
HS-01 - Adapter HV/HC, 8 U.S. Receptacle (115)

FEATURES/BENEFITS SPECIFICATIONS 3D TOUR

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HS-8A & HS-16 Features & Benefits

Feature **8 or 16 high voltage switching outputs rated for up to 5kV AC & 6 kV DC**

Benefit Can handle full hipot capability to test to a wide range of safety agency specifications.

Feature **Multi-point or multi-product testing capability**

Benefit Full automatic control of outputs helps to save test setup time and ensures consistent test results.

Feature **Ground Bond outputs rated for up to 30 AMPS**

Benefit Allows Ground Bond test to also be incorporated into an automated testing application.

Feature **Front panel indicators**

Benefit Allows operator to easily see which output is active and whether it is set as high, low or off.

Feature **Rack mount style enclosure**

Benefit Can be conveniently installed into a rack mount system.

Feature **Will work with QUADCHEK II model 7564SA 4-in-1 system or the HypotULTRA II model 7550DT 3-in-1 system.**

Benefit Both of these instruments already have built-in software to control the HS-8A locally or through GPIB and RS-232.

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HS-8A & HS-16 Specifications

MAXIMUM NUMBER OF HIGH VOLTAGE OUTPUTS	HS-8 (8 ports) HS-16 (16 ports)
MAXIMUM NUMBER OF HIGH CURRENT OUTPUTS	HS-8 (8 ports) HS-16 (16 ports)
MAXIMUM HIGH VOLTAGE RATING	5kV AC and 6 kV DC
MAXIMUM CURRENT RATING	30 AMPS
DIMENSIONS	(H x W x D) 5" x 17" x 12.5" (432 x 317 x 127mm)
WEIGHT	15 lbs. 4ozs. 5.69 kg.

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Adapter Boxes
For Corded Product Testing

Adapter boxes are a convenient way to attach line cord terminated DUT's to an instrument. The receptacle in the box provides an easy plug-in plug-out connection point saving time and removing risk from high voltage contact to the operator. These adapter boxes are a standard part of AR's instruments and an adapter box can be provided for any of the electrical standards listed below. The receptacle box is a wear and tear item and since it is external to the instrument it is easy to replace when necessary.

Part #	Description	
36541	**U.S. Receptacle Box for Hipot & Ground Bond (115V)** Allows for safe and easy testing of items terminated in a line cord. Also available in USA 240V, European, British and Swiss versions. **Used with:** 5030DT, 6554SA and 7564SA	
36544	**U.S. Receptacle Box for Hipot Only (115V)** Allows for safe and easy testing of items terminated in a line cord. Also available in USA 240V, European, British and Swiss versions. **Used with:** 3500D, 3505D, 3565D, 3570D, 5500DT and 5560DT	
HS-01	**Adapter HV/HC, 8 U.S. Receptacle (115V)** This new accessory allows for up to (8) scanner outputs to be interconnected to (8) U.S. style receptacles. This optional receptacle box is ideal for applications when high volume manufacturing calls for multiple item testing. This optional receptacle box is ideal for applications when high volume manufacturing calls for multiple item testing. The system provides (8)	

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individual receptacles for output of high voltage and high current. The front panel also includes (8) individual return cable ports to attach to the return side of each device under test. The HS-01 will interconnect directly to either the company's internal or external scanner matrix systems that can be used with the QUADCHEK® II 4-in-1 Electrical Safety Compliance Analyzers model 7564SA or the 7504SA (500VA version).

The receptacles used on the HS-01 are modified by Associated Research for use at voltages of up to 5 kVAC and 6 kVDC. The adapter box allows for testing sequentially or all ports can be activated to test simultaneously. The front panel return connections are positive locking style connectors so the cables cannot be accidentally pulled from the connector during testing.

The HS-01 includes rack mount handles for easy mounting into an automated test system. Also included with the HS-01 are all the required cables for interconnection to the scanning matrix.
The HS-01 measures (H x W x D) 5" x 17" x 13" (147 x 432 x 320 mm) and weighs 9.2 lbs. (4.18 kg)

Used with: 7504SA, 7564SA, HS-8A & HS-16

Part numbers for all our adapter boxes and line cords are as follows:

Receptacle Style	**HV** (35XXD, 55XXDT & 75XXDT)	**HV & HC** (3030D)	**HV & HC** (5030DT & 7504SA/7564SA)	**LLT** (510L)	**LLT HV & HC** (520L)	**LINE CORD**
	Order Now!	Order Now!	Order Now!	Order Now!	Order Now!	
	Item #	Item #	Item #	Item #	Item #	Item #
USA	36544	37893	36541	37911	37892	33189
USA 240V	36544C-01	37893C-01	36541C-01	N/A	N/A	N/A
Universal - US polarity	36544C-03	37893C-03	36541C-03	37911C-03	37892C-03	N/A

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Universal - UK polarity	N/A	N/A	N/A	37911C-04	37892C-04	N/A
European	36544C-05	37893C-05	36541C-05	37911C-05	37892C-05	36068
British	N/A	N/A	N/A	N/A	N/A	36053
Swiss	N/A	N/A	N/A	N/A	N/A	36295
Australian	N/A	N/A	N/A	N/A	N/A	35760
Danish	N/A	N/A	N/A	N/A	N/A	36296
Israeli	N/A	N/A	N/A	N/A	N/A	36297

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