

SPECIFICATIONS

MODELS	4040AT		4050AT	5060AT	4040AX		4050AX	5060AX
DESCRIPTION	HYPOT® AND GROUND CONTINUITY TEST SET							
INPUT	120 VAC, 50/60 HZ, SINGLE PHASE, 1AMP.				230 VAC, 50/60 HZ, SINGLE PHASE, .5AMP			
OUTPUT VOLTAGE	0-3 KVAC		0-5 KVAC	0-6 KVDC	0-3 KVAC		0-5 KVAC	0-6 KVDC
	CONTINUOUSLY ADJUSTABLE. ZERO-CROSSING TURN ON. NO TRANSIENTS EXCEEDING 120% OF PEAK VALUE.							
OUTPUT CURRENT	0-15 mA AC	OPTIONAL 0-25	0-15 mA AC	0-5 mA DC	0-15 mA AC	OPTIONAL 0-25	0-15 mA AC	0-5 mA DC
TRIP CURRENT RANGE	.75-15 mA AC	OPTIONAL .75-25	.75-15 mA AC	0-5 mA DC	.75-15 mA AC	OPTIONAL .75-25	.75-15 mA AC	.75-5 mA DC
PRESET TRIP CURRENT	5mA AC			1mA DC	5mA AC			1mA DC
DUTY CYCLE	CONTINUOUS							

PRIMARY APPLICATION Manufacturing and production line testing of commercial and consumer products to meet **UL, CSA, VDE, BSI, and IEC** requirements where dielectric withstand and ground continuity tests are specified.

METERING Analog kilovoltmeter with 50 volt reading resolution connected directly across the output terminations. Accuracy $\pm 2\%$ of full scale. Tracking $\pm 2\%$ of full scale.

LINE CORD Detachable 7½ foot (2.29m) input power cable terminated in a three prong grounding plug (AT Models) or as specified (AX Models).

HIGH VOLTAGE & RETURN / CONTINUITY TERMINATIONS High voltage three prong isolated grounding type receptacle allows device under test to be plugged directly into the dielectric withstand tester. Also equipped with removable five foot (1.52 m) high voltage return/continuity leads.

SIZE [W H D] 10.87" X 6.25" X 10.75" (276.2 X 158.7 X 273.0 mm)

WEIGHT 15.8 lbs (7.16 Kg)

©Associated Research, Inc.

LINE SAFETY MONITOR	A safe power-on indicator monitors input power and warns against malfunctions in the grounded 3-wire 120 volt AC receptacle to which the equipment is connected.
FAILURE DETECTOR	<p>Audible and visual indication of unacceptable performance. In addition, auxiliary relay contacts (SPDT) transfer when failure is detected. Failure detection system remains activated until manually reset.</p> <p>Failure is detected with a current sensitive overload system monitoring current in the return side of the output and an RF detector which responds to breakdown or arcing condition. The failure detector is factory set as shown in the above table. The failure detector setting may be easily reset if desired.</p>
CONTINUITY TEST	<p>Ground continuity test between chassis grounding conductor and exposed dead metal parts performed automatically, regardless if equipment to be tested is grounded or not by some other means, while making connections for Hipot test.</p> <p>Ground continuity indicated by glow of the lamp in the Test switch. If there is no continuity and the yellow continuity switch is in the ON position, pressing the Test switch will not apply high voltage. Instead, the Red Failure indicator will light and the audio alarm will sound.</p> <p>Hipot test may be performed on items which do not require the continuity test by putting the ground continuity test switch in the OFF position.</p>
ONE SECOND TIMER	Allows one second timing and termination of Hipot tests. Timer is activated when timer switch is in the ON position and the Test switch is depressed.
OPTIONAL CALIBRATION RESISTOR	120K ohm 1% resistor located on the rear panel is provided for the user to set sensitivity of the failure detector in accordance with Agency specifications.
OPTION CONNECTOR	Various options, such as a dwell timer, ramp and dwell, auto-reset, may be connected here.

Hypot® is a Registered Trademark of Associated Research, Inc.