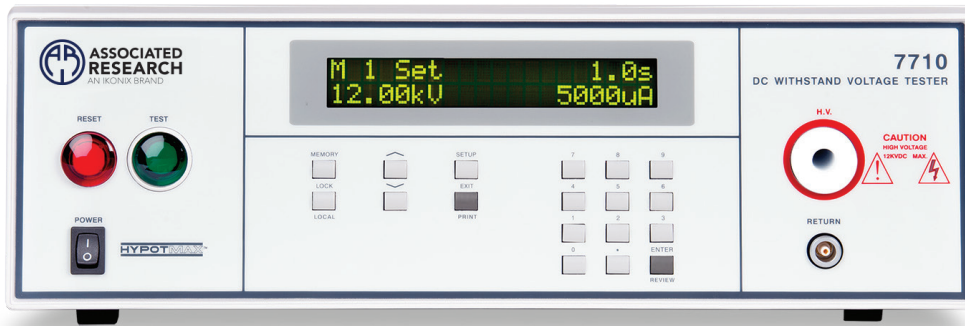


HypotMAX[®]

The Safest and Most Reliable Automated High Voltage Hipot Instrument Available



Our HypotMAX[®] Series is a complete line of automated Hipot instruments designed to meet the demanding requirements of high voltage applications. We've included our patented SmartGFI[®] feature for maximum operator safety as well as a variety of advanced features to increase productivity on the production line and in the lab. Set up and run tests with confidence from our intuitive user interface or automate with a PC.



AVAILABLE INTERFACES



USB



RS-232



GPIB
(Optional)

SAFETY & PRODUCTIVITY FEATURES



PLC Remote
Basic PLC
relay control



SmartGFI[®]
Automatic
operator shock
protection



Remote Safety
Interlock
Easily disable
HV output



Arc Detection
High frequency
filter for corona
detection



Ramp-HI[®]
Reduce ramp
time during
DC Hipot



Charge-LO[®]
Confirms
proper DUT
connection



Accredited
Cal
Accredited
calibration
options
available



WithStand[®]
Automation
Software

Find the Model that Fits Your Testing Needs



AC Hipot



DC Hipot

Model	AC Hipot	DC Hipot
7705	•	
7710		•
7715	•	
7720		•

INPUT SPECIFICATIONS			
Voltage	115/230 VAC ± 10%, Single Phase, User Selection		
Frequency	50/60 Hz ± 5%		
Fuse	6.3 A, 250 V Slow Blow		
DIELECTRIC WITHSTAND TEST MODE			
Output Rating	7705:	10 kV @ 20 mAAC	
	7710:	12 kV @ 10 mADC	
	7715:	20 kV @ 10 mAAC	
	7720:	20 kV @ 5 mADC	
HI-Limit and LO-Limit	7705	Range 1:	0.0 – 9.999 mA
		Resolution:	0.001 mA
	7710	Range 1:	0.00 – 9.999 μA
		Resolution:	0.1 μA
	7715	Range 2:	10.00 – 20.00 mA
Resolution:		0.01 mA	
7720	Range 1:	0.00 – 9.999 μA	
	Resolution:	0.1 μA	
	Range 2:	1,000 – 9,999 μA	
	Resolution:	1 μA	
77XX	Accuracy:	± (2% of setting + 2 counts)	
DC Ramp HI	7710	13 mA peak maximum, 10 mADC, ON/OFF selectable	
	7720	6.75 mA peak maximum, 5 mADC, ON/OFF selectable	
DC Charge LO	7710/7720	Range:	0.0 – 350 μADC or auto set
Arc Detection	7705	1 – 9 at output voltage < 7.00 kV	
		1 – 7 at output voltage ≥ 7.00 kV	
	7710/7720	1 – 9	
Voltage Display	7705	Range:	0.00 – 10.00 kV Full scale
		Accuracy:	± (1.5% of reading + 20 V)
	7710	Range:	0.00 – 12.00 kV Full scale
7715/7720	Accuracy:	± (2% of reading + 20 V)	
	Accuracy:	± (1.5% of reading + 20 V)	
Current Display	7705	Auto Range	0.000 – 3.500 mA
		Range 1:	3.00 – 20.00 mA
	7710	Auto Range	0.0 – 350.0 μA
		Range 1:	300 – 3500 μA
Range 2:		3,000 – 9,999 μA	
7715	Auto Range	0.000 – 3.500 mA	
	Range 1:	3.00 – 10.00 mA	
7720	Auto Range	0.0 – 350.0 μA	
	Range 1:	300 – 5,000 μA	
DC Output Ripple	7710	< 5% Ripple at 12 kV @ 9,999 μA, Resistive Load	
	7720	< 5% Ripple at 20 kV @ 4,999 μA, Resistive Load	
AC Output Waveform	Sine Wave, Crest Factor = 1.3 – 1.5		
Output Frequency	Range:	50/60 Hz, User Selection ± (1% of output + 5 V) from Regulation No load to full load	
Output Regulation	± (1% of output + 10 V) from no load to full load		
Discharge Timer	7710	No load < 400 ms	
	7720	No load < 500 ms	
Dwell Timer	Range:	0, 0.3 – 999.9 sec (0=Continuous)	
	AC Range:	0, 0.3 – 999.9 sec or min (0=Continuous)	
	DC Range:	0, 0.4 – 999.9 sec or min (0=Continuous)	
Ramp Timer	7705/7715	Range: 0.3 – 999.9 sec	
	7710/7720	Range: 0.4 – 999.9 sec	
Ground Continuity	Max. Ground Resistance 1 Ω ± 0.1 Ω, fixed		

DIELECTRIC WITHSTAND TEST MODE			
Ground Fault Interrupt	HV Shut Down Speed < 1 ms GFI Trip Current 1 mA max		
GENERAL SPECIFICATIONS			
Memory	50 memories w/ 8 steps per memory		
Mechanical	Tilt-up front feet		
Interface	Standard: USB, RS-232 Optional: GPIB		
Dimensions (W x H x D)	16.93" x 5.24" x 15.75" (430 x 133 x 400 mm)		
Weight	7705:	63.3 lb (28.7kg)	
	7710:	63.1 lb (28.6kg)	
	7715:	59.4 lb (26.9kg)	
	7720:	61.6 lb (27.9 kg)	

For reading specifications, please refer to the user manual.

Why We Use Counts

Associated Research publishes some specifications using "counts" which allows us to provide a better indication of the instrument'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 = 2 V.

Specifications subject to change without notice.