

13860 W Laurel Dr. Lake Forest II UNIST45ISO, IEC, IANSI7 NGSL - MIL+STD by www.araeservices.com 1.800.858.TEST [8378]



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	I o receive a calibration and/or repair of	juote-RMA from R.A.	E. Services Inc.
Input Specification	s Click here>> www.raeservice	es.com/services/quot	entert Mode (Continued)
Voltage	115/230 V selectable, ± 10% variation	Charge LO	Range: 0.000 - 3.500 µA or Auto Set
Frequency	50/60 Hz ± 5%	Ramp Timer	Range: Ramp-Up: 0.1 - 999.9 sec
Fuse	115 VAC, 230VAC - 10A Slow-Blo 250VAC		Ramp-Down: 0.0, 1.0 - 999.9 sec
Dielectric Withstar	nd Test Mode	Delay Timer	Range: $1.0 - 999.9 \sec (0 = \text{Constant})$
Output Rating	5 KV @ 40 mA AC	Ground Fault Interrupt	GFI Trip Current: 450 µA max (AC or DC) HV Shut Down Speed: < 1 ms
	5 KV @ 20 mA DC		
	50/60 Hz user selectable	General Specification	
Current Display AC Real	Range: 0.000 mA - 40.00 mA Range: 0.000 mA - 40.00 mA	PLC Remote Control	Input: Test, Reset, Interlock, Recall 1 - 10 Output: Pass Fail Test-in-Process
DC	Range: 0.0 - 20,000 µA	Mechanical	Bench or rack mount with tilt up front feet
Ramp HI	>20 mA peak maximum, ON/OFF selectable	Dimensions	3U (WxHxD) 17 x 5.8 x 20.3 in.
Charge LO	Range: 0.000 - 350 µA or Auto Set		(432 x 147 x 515 mm)
DC Output Ripple	4% Ripple RMS at 5 KV DC @ 20 mA, Resistive Load	Weight	51.68 lbs (23.44 kgs) varies with option
Discharge Time	200 ms	Interface	RS-232 Standard, GPIB, Ethernet, Data Storage,
Maximum	$1 \mu F < 1 KV$ 0.08 $\mu F < 4 KV$		Printer Port optional.
Capacitive Load	0.75 µF < 2 KV 0.04 µF < 5 KV	Safety	Built-in Smart&FI® circuit
AC Output Waveform	Sine Wave Crest Factor = 1.3 - 1.5	Memory	50 memories, 30 step/memory
Output Regulation	\pm (1% of output + 5 V) from no load to full load and over	OMNIA 8105 and 81	0% Functional Ren Test Mode
output riogunation	input voltage range.	Delay Time Setting	Range: 0.2 - 999 9 seconds
Dwell Timer	Range: AC 0.4 - 999.9 sec (0 = Constant)	Dwell Time Setting	Range: 0.1 - 999.9 seconds (0 = constant)
	DC 0.3 - 999.9 sec (0 = Constant)	Trin Point Settings	AND Metering
Ramp Timer	Range: Ramp-Up: AC 0.1 - 999.9 sec, DC 0.4 - 999.9 sec	Voltage Valt-HixValt-1	Range: 00 1277.0 VAC
Ground Continuity	Ramp-Down: AC 0.0 - 999.9 Sec, DC 0.0, $1.0 - 999.9$ Sec	Current Arto-HI Arto-LO	Range: 0.9 15.00 AAC
diound continuity	Max. Ground Resistance: 1 ± 0.1 , fixed	Watts Watt-HigtWatt-20	Rage - 4200 W
Ground Fault Interrupt	GFI Trip Current: 450 µA max (AC or DC)	Power Factor	$\begin{pmatrix} & & \\ & & \end{pmatrix}^{*}$
	HV Shut Down Speed: < 1ms	PE-HI/PF-LO	Range: 0.000 - 1.000
Continuity Test Mo	de	Deakage Current (()
Output Current	DC 0.1A ± 0.00001A	Leak-HI/Jeeak-LO	Range: 0.00 - 10.00 mA (0 = 0FF)
Resistance Display/	Range: 0.00 – 10000.00Ω		Range: 0.0 - 999.9 seconds
HI and LO-Limit	\frown	OMNIA 8106 Line Le	eakage Test Mode (DUT Power)
Dwell Timer	Range: 0.0, 0.3 - 999.9 sec (0 = Constant)	Voltage	0 - 277 VA Single Phase Unbalanced
Milliohm Offset	Range: 0.00 – 10.00Ω	Current	15 AAC max. continuous
Ground Bond Test	Mode $\wedge (\bigcirc)^{\vee}$	Short Circuit Protection	23 AAC, Response Time < 3 sec
Output Voltage	Range: 3.00 - 8.00 VAC	Lezkage Current	
(Open Circuit Limit)	50/60 Hz, user selectable	Carrent Display	Range 1: 0.0 µA - 999.9 µA
Output Current	Range: 1.00 - 40.00 A, Resolution: 0.01 A	RHS or PEAK	Range 2: 1000 µA - 6000 µA
Output Regulation	Accuracy: ± (1% of output + 0.02 Å)	Accuracy RMS	DC to 100 kHz, \pm (1.5% of reading+ 3 counts)
Maximum Loading			\pm 5% of reading, (10.0 µA - 6000 µA)
Maximum Loaung	10.01 - 30.00A, <u>C</u> 200 m	Accuracy PEAK	DC to 1 MHz, \pm (10% of reading + 2 $\mu\text{A})$
	30.01 - 40.00A, 0 \$50 m	Measuring Device	A UL544 Non Patient
Ohmmeter Display/	0 - 150 m for 30.81 40.80		B UL544 Patient
HI and LO Limit	0 - 200 m for (1) (21 30.90 A		IEC60601-1 EN60601-1
	Accuracy: $\pm 12\%$ of reading $+ 2$ m)		D UL1563
	0-600 m for 1.00 5.99 A		E UL1950, UL3101, UL61010, IEC950, IEC1010,
	Accuracy + (3% of reading + 8 m)		Fig4-U2
Williohm Offset	Range, V-200 pr		H IEC60990 FIG. 5 - U3
Insulation Resista		MD A-D and H-I components	I IEC60990 FIG. 3 - U1 Accuracy: Resistance + 1% Capacitance + 5%
Voltage Setting	Range: 50-1000 Vac	MD E components	Accuracy: Resistance \pm 0.1%, Capacitance \pm 1%
Charging Current	Maximum >20 mA peak	MD Voltage Limit	Maximum 30 V peak or 30 VDC
Resistance Display/	Range: 0.05 M - 50000 M (4 Digit, Auto Ranging)	HI and LO-Limit	Range: 0 - 6000 μ A (0 = OFF)
	50 - 499 V	Delay Timer	Range: 0, 1.0 - 999.9 sec (0 = Constant)
	0.05 M $$ - 999.9 M, \pm (7% of reading +2 counts)	and a second	
	500 - 1000 V	New-	ASSOCIATED
	$1000 \text{ M} - 9999 \text{ M}, \pm (5\% \text{ of reading +2 counts)}$		RESEARCH, INC.
	10000 M - 50000 M, ± (15% of reading +2 counts)	B 67	www.asresearch.com
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