

## 601ES SPECIFICATIONS SHEET



Designed for military and defense programs, the AMPTEC 601ES DMM is used to measure stray voltage and current. The 601ES comes in a durable, waterproof case and features a built-in self-test to ensure integrity of measurement. Our NASA Range Safety Board and USAF Space Wing Board approvals, custom conformal coated internal circuits, and all-metal Faraday Cage prove that the 601ES is the safest DMM on the market.

AMPTEC 601ES SAFETY DMM SPECIFICATIONS						
<b>601ES</b>	<b>RANGE</b>	2 Ω	20 Ω	200 Ω	2 KΩ	20 KΩ
	<b>NOMINAL CURRENT</b>	5 mA	5 mA	.5 mA	50 uA	5 uA
	<b>FAILSAFE CURRENT</b>	8 mA	8 mA	1.5 mA	150 uA	15 uA
	<b>RESOLUTION</b>	100 uΩ	1 mΩ	10 mΩ	100 mΩ	1 Ω

AMPTEC 601ES SAFETY DMM GENERAL SPECIFICATIONS					
<b>ACCURACY</b>	2 – 200 V AC/DC: ± .50% of range	<b>TERMINALS</b>	4-Wire Kelvin	<b>POWER</b>	4ea AA Batteries
	600 V AC/DC: ± 1% of range	<b>STORAGE TEMP.</b>	-20° to 70° C	<b>OPERATING TEMP.</b>	0° ± 50° C
	2 AMP AC/DC: ± .5% of range	<b>SIZE</b>	13.37" x 11.62" x 6"	<b>MAX INPUT VOLTAGE</b>	650 VDC
	2 – 20 KΩ: ± .05% of reading & range	<b>WEIGHT</b>	9.5 lbs.	<b>DISPLAY</b>	4 ½ digit LED
<b>SIGNAL SOURCE</b>	50 mV volt. mode display acc.: ± 50 counts on 2 V range	<b>UPDATE</b>	300 ms.	<b>OVER-RANGE</b>	">>>OR" on display
	5 mA curr. mode display acc.: ± 10 counts on 2 AMP range	<b>LOW BATTERY</b>	"LO BAT" on display	<b>OPEN CIRCUIT</b>	< 1.6 V
		<b>TEMP. COEFFICIENT</b>	± .005% per 1° C		

AMPTEC 601ES SAFETY DMM ORDERING INFORMATION	
MODEL/SKU #	DESCRIPTION
<b>601ES</b>	Safety DMM, OP-304 Leads, N.I.S.T. Calibration Certificate
<b>OP-290</b>	Alligator clip test lead set
<b>OP-300</b>	Gold plated 4-Wire Kelvin clip leads
<b>OP-302</b>	5-way banana jack backed Kelvin clips
<b>OP-401</b>	Gold plated single tip Kelvin probes
<b>OP-402</b>	Surface mount Kelvin micro-probes
<b>OP-403</b>	Standard handheld Kelvin mini-probes
<b>OP-500</b>	Isolated Analog Output

**For customized products or probe/lead sets, contact our sales department.**



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