

## AMPTEC 620UK-V4 DATASHEET



The AMPTEC 620UK-V4 Safety Ohmmeter is a portable EEX digital ohmmeter for ultra-safe resistance testing in explosive and volatile atmospheres. The 620UK-V4's ultra-safe design allows it to comply with the EU ATEX Directive, the Intrinsic Safety Standard Eex-9b-IIC-T4, and USA MIL STD 810 as well as many other international defense standards. For testing of squibs or explosive bridge-wire, the AMPTEC 620UK-V4 is a clear choice for munitions experts both domestically and internationally.

### AMPTEC 620UK-V4 SAFETY OHMMETER SPECIFICATIONS

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<b>620UK-V4</b>	<b>RANGE</b>	2.0 Ω	20.0 Ω	200 Ω	2.0 KΩ	20.0 KΩ	200 KΩ	2.0 MΩ
	<b>NOMINAL CURRENT</b>	5 mA	5 mA	.5mA	50μA	5 μA	.05 μA	50μA
	<b>FAILSAFE CURRENT</b>	8 mA	8 mA	1.5mA	150μA	15μA	1.5μA	15nA
	<b>RESOLUTION</b>	100 mΩ	1.0 mΩ	10 mΩ	100 mΩ	1.0 Ω	10 Ω	100 Ω

### AMPTEC 620UK-V4 SAFETY OHMMETER GENERAL SPECIFICATIONS

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<b>ACCURACY</b>	2.0Ω range: ±0.02% of reading , ±0.05% range	<b>TERMINALS</b>	4-Wire	<b>OPEN CIRCUIT</b>	<1.4 volts
	20Ω - 20KΩ ranges: ±0.02% of reading , ±0.02% range	<b>ACC. TEMP. RANGE</b>	25° ± 10° C	<b>OPERATING TEMP.</b>	-20° - 40° C
	200 KΩ: ±.05% of reading & range	<b>SIZE &amp; WEIGHT</b>	7 x8"x3" 8 lbs.	<b>STORAGE TEMP.</b>	-10° - 70° C
	2 MΩ: ± 1.0% of reading, ± 0.2% of range	<b>POWER</b>	1.5V Alkaline batteries	<b>MAX FAIL-SAFE</b>	8 mA
<b>DISPLAY</b>	4 ½ digit LCD	<b>UPDATE</b>	3/Sec	<b>OVERLOAD</b>	Flashes

### AMPTEC 620UK-V4 SAFETY OHMMETER ORDERING INFORMATION

MODEL/SKU #	DESCRIPTION
<b>620UK</b>	Safety Ohmmeter, Padded Case, customer's choice of probe/lead set, N.I.S.T. Calibration Certificate
<b>620UK-V4*</b>	4-Wire Version of the Safety Ohmmeter, Padded Case, customer's choice of probe/lead set, N.I.S.T. Calibration Certificate
<b>620UK-290</b>	5' Alligator clip test lead set for <b>620UK</b> meter
<b>620UK-300V4</b>	5' Gold plated 4-Wire Kelvin clip leads for the <b>620UK-V4</b> version
<b>620UK-304V4</b>	5' 4-Wire banana jack test lead set for the <b>620UK-V4</b> version
<b>620UK-305</b>	5' Twin single banana jack leads for <b>620UK</b> meter
<b>620UK-401</b>	5' Gold plated single tip probes for <b>620UK</b> meter
<b>620UK-403V4</b>	5' Handheld Kelvin mini-probes for <b>620UK-V4</b> version

**For customized products, or probe/lead sets, contact our sales department. The above is not a complete list – we offer many more varieties of accessories and probe/lead sets.**



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