

AMPTEC 620UK DATASHEET



The AMPTEC 620UK Safety Ohmmeter is a portable EEX digital ohmmeter for ultra-safe resistance testing in explosive and volatile atmospheres. The 620UK'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 is a clear choice for munitions experts both domestically and internationally.

AMPTEC 620UK SAFETY OHMMETER SPECIFICATIONS

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

AMPTEC 620UK SAFETY OHMMETER GENERAL SPECIFICATIONS

ACCURACY	2.0Ω rang, ±0.02% of reading , ±0.05% range	TERMINALS	2-Wire	OPEN CIRCUIT	<1.4 volts
	20Ω - 20KΩ: ± .02% of reading & range	ACC. TEMP. RANGE	25° ± 10° C	OPERATING TEMP.	-20° - 40° C
	200 KΩ: ±.05% of reading & range	SIZE & WEIGHT	7 x8"x3" 8 lbs.	MAX INPUT VOLTAGE	250 VDC
	2 MΩ: ± 1.0% of reading, ± 0.2% of range	POWER	1.5V Alkaline batteries	MAX FAIL-SAFE	8 mA
DISPLAY	4 ½ digit LCD	UPDATE	3/Sec	OVERLOAD	Flashes

AMPTEC 620UK SAFETY OHMMETER ORDERING INFORMATION

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