

AMPTEC 620MG DATASHEET



The AMPTEC 620MG failsafe ohmmeter was specifically designed for ultra-safe testing on squibs, flares, bridge-wire, and other explosive devices. The 620MG meets a wide-range of resistance requirements, and comes standard with an (OP-232) RS232C interface, (OP-247) optically isolated power, and a diode test capability. This product was derived from the USAF Non-Nuclear Munitions Safety Board approved AMPTEC [620A-4](#) meter – thus creating a product line that is the industry standard in igniter testing.

AMPTEC 620MG IGNITER TESTER SPECIFICATIONS

RANGE	Diode	2 Ω	20 Ω	200 Ω	2 KΩ	20 KΩ	200 KΩ	2 MΩ
NOMINAL CURRENT	.5 mA	5 mA	5 mA	500 uA	50 uA	5 uA	0.5 uA	0.5 uA
FAILSAFE CURRENT	25 mA	8 mA	8 mA	8 mA	8 mA	8 mA	8 mA	8 mA
RESOLUTION		100 uΩ	1 mΩ	10 mΩ	0.1 Ω	1 Ω	10 Ω	100 Ω
ACCURACY		± 0.02% of reading & range	± 0.02% of reading & ± 0.05% of range	± 1% of reading & ± 0.2% of range				

AMPTEC 620MG IGNITER TESTER GENERAL SPECIFICATIONS

TERMINAL	4-Wire Kelvin	WEIGHT	3 lbs.	OPERATING TEMP.	0° to 50° C
DISPLAY	4 ½ digit LED	SIZE	9.75" x 10" x 3.025"	STORAGE TEMP.	-10° ± 70° C
UPDATE	3 readings per second	MAX. INTERNAL VOLTAGE	4.8 VDC	TEMP. COEFFICIENT	± .002% per 15° C
POWER	Optically Isolated Continuous Power	OPEN CIRCUIT	1.6 VDC	MAX. INPUT VOLTAGE	250 VDC

AMPTEC 620MG IGNITER TESTER ORDERING INFORMATION

MODEL/SKU #	DESCRIPTION
620MG	Igniter Tester, OP-232 RS232C Interface, Diode Test, OP-247 Optically Isolated Power, probe/lead set, N.I.S.T. Calibration Certificate
OP-100	Meter transit/hard shell case
OP-110	Test lead storage pouch
OP-232	Optically isolated RS232C Interface
OP-247	Continuous Isolated power
OP-290	Alligator clip test lead set
OP-300	Gold plated 4-Wire Kelvin clip leads
OP-302	5-way banana jack backed Kelvin clips
OP-401	Gold plated single tip Kelvin probes
OP-402	Surface mount Kelvin micro-probes
OP-403	Standard handheld Kelvin mini-probes
OP-519S	Single rack mount tray
OP-519D	Dual rack mount tray

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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Rev. 07-2019