



AMPTEC RESEARCH IS AN ISO 9001:2015 CERTIFIED ACCREDITED QUALITY MANAGEMENT COMPANY



AMPTEC 620BA Igniter Circuit Tester Datasheet

The below specifications apply to units that are purchased as a part of our 620BA Commercial Package with no additional options. For information on the specifications of units with additional options, please refer to the following page.

AMPTEC 620BA Range, Resolution, Accuracy, & Current Levels				
Range	2 Ω	20 Ω	200 KΩ	20 MΩ
Nominal Current	5 mA	5 mA	0.5 uA	5 nA
Failsafe Current	8 mA	8 mA	8 mA	8 mA
Resolution	100 uΩ	1 mΩ	10 Ω	1 KΩ
Accuracy	± .02% of reading & ± .05% of range	± .02% of reading & range	± .05% of reading & range	± 2% of reading & ± .02% of range

AMPTEC 620BA General Specifications	
Display	4 ½ digit LED display
Input Voltage	4.8 VDC maximum
Low Battery	Display reads"—"
Overload/Overrange	Display flashes
Temperature Coefficient ...	± 0.002% per 1° C
Temperature Limit (Storage)	-20° to 70° C
Weight (Standard Version)	3.5 lbs.
Dimensions	9.75" x 10" x 3.25"
Internal Voltage	250 VDC maximum
Open Circuit	1.6 VDC
Terminal	Banana jack binding posts
Temperature Limit (Operating)	0° to 50° C
Update Rate	3 readings per second

AMPTEC 620BA Power Specifications

Batteries	4ea 5000 mAh NICAD batteries	Battery Charge Time	~8 hrs. til full charge
Battery Charger	AMPTEC 620-DC	Battery Charger Charging Current	2A max
Battery Charger Input	90 – 264 VAC	Battery Life	1000 cycles or 3 years
Battery Charger Output	5.9V		

OP-232 RS232C Interface Specifications

This option enables your unit to connect to a computer and receive commands via RS232C. OP-232 comes standard with the purchase of a 620BA Igniter Tester.

Connection	DE-9 connector	Rear terminal block	4 Gold-Plated terminals
-------------------------	----------------	---------------------------------	-------------------------

AMPTEC 620BA Igniter Circuit Tester Datasheet Continued

OP-247 Optically Isolated Power Specifications

This option enables your unit to be ran via AC power, allowing for uninterrupted use. Unless otherwise noted in the table below, all other specifications match those listed in the general specifications section.

AC/DC adaptor	AMPTEC 247-DC	Adaptor input	120VAC
Adaptor output	24 VDC	Unit Weight	2.3 lbs

Op-519 Rack Mount Specifications

This option, OP-519S (for single units) and OP-519D (for dual units), allows your unit to be rack mounted. Unless otherwise noted in the table below, all other specifications match those listed in the general specifications section.

OP-519S (Single Unit)		OP-519D (Dual Units)	
Dimensions	19" x 3.5" x 10"	Dimensions	19" x 3.5" x 10"
Materials	ABS plastic face, aluminum	Materials	ABS plastic face, aluminum
Weight	2.3 lbs (plus unit weight)	Weight	2.1 lbs (plus unit weights)



AMPTEC 620BA		Ordering Information	MSRP
620BA	Igniter tester, OP-300 leads, 620-DC battery charger, N.I.S.T. calibration certificate		
OP-100	Meter transit/hard shell case		
OP-110	Test lead storage pouch		
OP-232	RS232C computer Interface		
OP-247	Optically 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-519S	Single rack mount tray		
OP-519D	Dual rack mount tray		
<i>The above is only a small selection of the accessories that are compatible with the 620BA meter. For a full list or pricing information, please contact us via our website: www.amptec.com</i>			



Buy Test Equipment at Discount Prices

www.ATEquip.com

sales@ATEquip.com 858-756-8742

