



AMPTEC 620EH DATASHEET



The AMPTEC 620EH Safety Igniter Tester is a portable digital ohmmeter specifically designed for ultra-safe resistance testing on squibs, igniters, flares, and other explosive devices. The AMPTEC 620 series have inner circuitry that has been reviewed and approved by multiple U.S. Government Munitions Safety Boards, making the 620EH one of the safest Igniter Testers of its kind.

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

| AMPTEC 620EH IGNITER TESTER SPECIFICATIONS | | | | |
|--|------------------------------------|---------------------------|---------------------------|---------------------------------|
| RANGE | 2 Ω | 20 Ω | 200 Ω | 2 MΩ |
| NOMINAL CURRENT | 5 mA | 5 mA | 50 uA | 5 uA |
| FAILSAFE CURRENT | 8 mA | 8 mA | 1.5 uA | 15 uA |
| RESOLUTION | 100 uΩ | 1 mΩ | 10 mΩ | 100 Ω |
| ACCURACY | ± .02% of reading, ± .05% of range | ± .02% of reading & range | ± .02% of reading & range | ± 1% of reading, ± .2% of range |

| AMPTEC 620EH 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 3.25" | STORAGE TEMP. | -10° ± 70° C |
| UPDATE | 3 readings per second | MAX. INTERNAL VOLTAGE | 4.8 VDC | TEMP. COEFFICIENT | ± .002% per 15° C |
| POWER | Rechargeable, 4ea NICAD batteries (5 AHR) | OPEN CIRCUIT | 1.6 VDC | MAX. INPUT VOLTAGE | 250 VDC |

| AMPTEC 620EH IGNITER TESTER ORDERING INFORMATION | | |
|--|---|----------|
| MODEL/SKU # | DESCRIPTION | PRICE |
| 620EH | Failsafe ohmmeter, OP-300 Leads, N.I.S.T. Calibration Certificate, 620-DC Battery charger | |
| OP-100 | Meter transit/hard shell case | \$175.00 |
| OP-110 | Test lead storage pouch | \$95.00 |
| OP-232 | Optically isolated RS232C Interface | \$895.00 |
| OP-247 | Continuous Isolated power | \$795.00 |
| OP-290 | Alligator clip test lead set | \$125.00 |
| OP-300 | Gold plated 4-Wire Kelvin clip leads | \$160.00 |
| OP-302 | 5-way banana jack backed Kelvin clips | \$95.00 |
| OP-401 | Gold plated single tip Kelvin probes | \$160.00 |
| OP-402 | Surface mount Kelvin micro-probes | \$245.00 |
| OP-403 | Standard handheld Kelvin mini-probes | \$215.00 |
| OP-519S | Single rack mount tray | \$425.00 |
| OP-519D | Dual rack mount tray | \$795.00 |
| 620-BAT | Set of replacement/extra 4 NICAD D-cell batteries | \$175.00 |

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



Buy Test Equipment at Discount Prices
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