

AMPTEC 641N DATASHEET



The 641N Igniter Tester is a portable digital ohmmeter specifically designed for ultra-safe resistance testing on explosive devices. The 641N is 40% lighter, more compact, and smarter than its predecessor the 640N.

AMPTEC 641N IGNITER TESTER SPECIFICATIONS							
RANGE	2 Ω	20 Ω	200 Ω	2 KΩ	20 KΩ	200 KΩ	2 MΩ
NOMINAL CURRENT	5 mA	5 mA	0.5 mA	50 uA	5 uA	0.5 uA	50 nA
FAILSAFE CURRENT	8 mA	8 mA	1.50 uA	150 uA	15 uA	1.5 uA	15 nA
RESOLUTION	100 uΩ	1 mΩ	10 mΩ	100 Ω	1 Ω	10 Ω	100 Ω
ACCURACY	± .02% of reading & range	± .02% of reading & range	± .02% of reading & range	± .02% of reading & range	± .02% of reading & range	± .02% of reading & range	± 1% of reading, & ± 0.2% of range

AMPTEC 641N IGNITER TESTER GENERAL SPECIFICATIONS					
TERMINAL	Trident	WEIGHT	6.5 lbs.	OPERATING TEMP.	0° to 50° C
DISPLAY	4 ½ digit LED	SIZE	10.62" x 9.68" x 4.87"	STORAGE TEMP.	-10° to 70° C
UPDATE	3 readings per second	MAX. INTERNAL VOLTAGE	4.8 VDC	TEMP. COEFFICIENT	± .002% per 1° C
POWER	Rechargeable, 4ea NICAD batteries (5 Ahr)	OPEN CIRCUIT	1.6 VDC	MAX. INPUT VOLTAGE	250 VDC

AMPTEC 641N IGNITER TESTER ORDERING INFORMATION	
MODEL/SKU #	DESCRIPTION
641N	Igniter Tester, 630-305 Leads, N.I.S.T. Calibration Certificate
630-300	Kelvin clip lead set
630-304	4-Wire banana jack test lead set
630-305	Twin single banana jack lead set
630-401	Single point handheld Kelvin probes
630-405K	10' heavy duty spiked Kelvin probes
630-405S	10' heavy duty spear Kelvin probes
630-406S	5' heavy duty spear Kelvin probes
630-407P	10' & 5' heavy duty spiked probes w/ spare tips
630-408J	10' heavy duty Kelvin clamp jaw probes
641-DC	Slimline battery charger

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.



AMPTEC RESEARCH
 T: (512) 858-4045 E: info@amptec.com
 13231 Rooster Springs Rd., Austin, TX 78737
www.amptec.com