



AMPTEC 641N DATASHEET

Intrinsically Safe - Failsafe Igniter Tester




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

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	MSRP
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	
630-BAT	Set of replacement/extra 4 NICAD D-cell batteries	
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.



Buy Test Equipment at Discount Prices
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