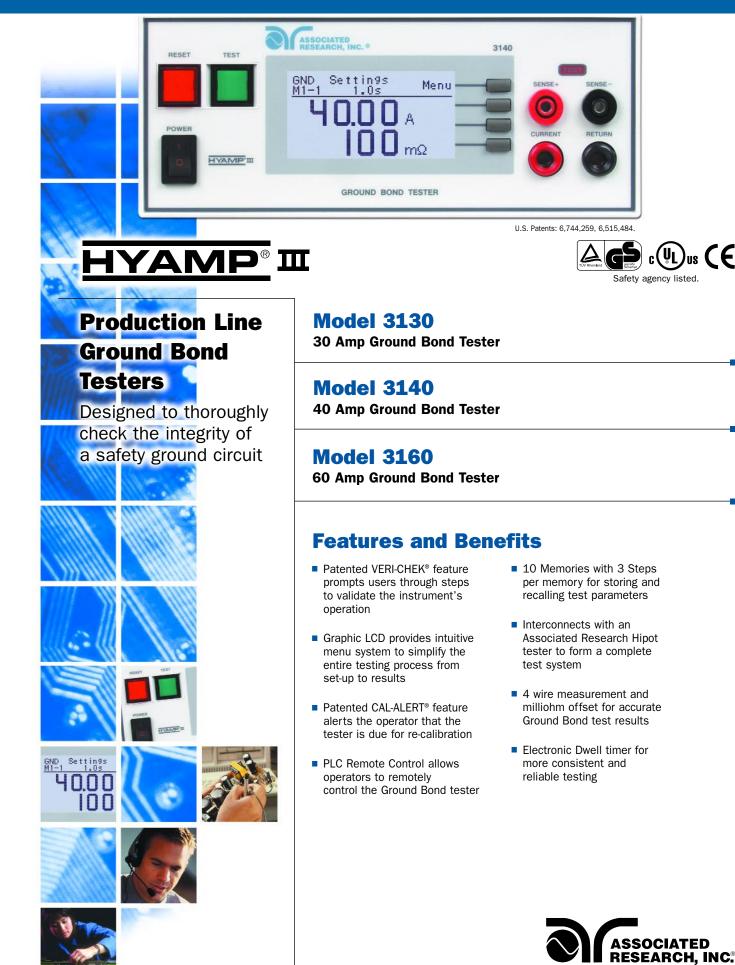


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ΥΑΜΡ® Π

At Associated Research, Safety Compliance Testing Is Our Only Focus.

Input Specifications

Voltage	115/230 VAC ± 10%, user selectable
Frequency	50/60 Hz ± 5%
Fuse - 3130	6.3 A, slo-blow 250 VAC
Fuse - 3140	10 A, slo-blow 250 VAC
Fuse - 3130	15 A, slo-blow 250 VAC

Ground Bond Test Mode

Ground Bond Test	Mode	
Output Rating	Current 3130: 1.00 - 30.00 A AC Voltage 3130: 6 V AC, fixed	
	Current 3140: 1.00 - 40.00 A AC Voltage 3140: 8 V AC, fixed	
	Current 3160: 1.00 - 60.00 A AC Voltage 3160: 9 V AC, fixed Resolution: 0.01 A Regulation: \pm (2% of setting + 0.02 A)	
Output Frequency	Range: 50 / 60 HZ, User Selectable	
Dwell Time Setting	Range: 0 and 0.5 - 999.9 secs 0 for continuous running Resolution: 0.1 sec Accuracy: ± (0.1% of setting + 0.05 secs)	
Maximum & Minimum Limits	$\begin{array}{r} \mbox{Range 3130: } 0 - 120 \mbox{ m}\Omega \mbox{ for } 1 - 30.00 \mbox{ A} \\ 0 - 510 \mbox{ m}\Omega \mbox{ for } 1 - 10.00 \mbox{ A} \\ \mbox{Accuracy 3130: } \pm (2\% \mbox{ of setting } + 2 \mbox{ m}\Omega) \end{array}$	
	$\begin{array}{r} \mbox{Range 3140: } 0 - 150 \mbox{ m}\Omega \mbox{ for 30.01 } - 40.00 \mbox{ A} \\ 0 - 200 \mbox{ m}\Omega \mbox{ for 10.01 } - 30.00 \mbox{ A} \\ 0 - 600 \mbox{ m}\Omega \mbox{ for 1.00 } - 10.00 \mbox{ A} \\ \mbox{Accuracy 3140: } \pm (3\% \mbox{ of setting } + 3 \mbox{ m}\Omega) \end{array}$	
	Range 3160: 0 - 150 mΩ for 30.01 - 60.00 A 0 - 300 mΩ for 15.01 - 30.00 A 0 - 600 mΩ for 6.00 - 15.00 A Accuracy: ± (3% of setting + 3 mΩ)	
Offset Capability	Range: 0 - 100 m Ω Resolution: 1 m Ω Accuracy: ± (2% of setting + 2 m Ω)	
Current Display 3130	Range: 0.00 - 30.00 A Resolution: 0.01 A / step Accuracy: ± (2% of reading + 0.02 A)	
Current Display 3140	Range: 0.00 - 40.00 A Resolution: 0.01 A Accuracy: ± (3% of reading + 0.03 A)	
Current Display 3160	Range: 0.00 - 60.00 A Resolution: 0.01 A Accuracy: ± (3% of reading + 0.03 A)	
Ohmmeter Display 3130	Range: $0 - 510 \text{ m}\Omega$ Resolution: $1 \text{ m}\Omega$ / step Accuracy: \pm (2% of reading + 0.02 A)	
Ohmmeter Display 3140	$\begin{array}{l} \mbox{Range: } 0.150 \mbox{ m}\Omega \mbox{ for } 30.01 \cdot 40.00 \mbox{ A} \\ 0.200 \mbox{ m}\Omega \mbox{ for } 10.01 \cdot 30.00 \mbox{ A} \\ 0.600 \mbox{ m}\Omega \mbox{ for } 6.00 \cdot 10.00 \mbox{ A} \\ \mbox{Resolution: } 1 \mbox{ m}\Omega \\ \mbox{Accuracy: } \pm (2\% \mbox{ of reading } + 2 \mbox{ m}\Omega) \end{array}$	
	Range: 0 - 600 m Ω for 1.00 - 5.99 A Resolution: 1 m Ω Accuracy: ± (3% of reading + 3 m Ω)	
Customer support & technical services		

Ground Bond Test Mode (Continued)		
Ohmmeter Display 3160	$\begin{array}{rl} \mbox{Range:} & 0 - 150 \ m\Omega \ for \ 30.01 - 60.00 \ A \\ & 0 - 300 \ m\Omega \ for \ 15.01 - 30.00 \ A \\ & 0 - 600 \ m\Omega \ for \ 6.00 - 15.00 \ A \\ \mbox{Resolution:} & 1 \ m\Omega \\ \mbox{Accuracy:} & \pm (2\% \ of \ reading \ + 2 \ m\Omega) \end{array}$	
	$\begin{array}{l} \mbox{Range: } 0 - 600 \mbox{ m}\Omega \mbox{ for } 1.00 - 5.99 \mbox{ A} \\ \mbox{Resolution: } 1 \mbox{ m}\Omega \\ \mbox{Accuracy: } \pm (3\% \mbox{ of reading } + 3 \mbox{ m}\Omega) \end{array}$	
Timer Display	Range: 0.0 - 999.9 secs Resolution: 0.1 secs Accuracy: ± (0.1% of reading + 0.05 secs)	

General Specifications

Remote Control & Signal Output	 The following input and output signals are provided through two 9 pin D type connectors: 1. Remote control: Test, Reset, Interlock, and Withstand Processing 2. Remote recall of memory program #1, #2, and #3 3. Outputs: Pass, Fail, Test-in-process, Start Out and Reset Out
Program Memory	10 Memories, 3 steps per memory.
Security	Key Lock capability to avoid unauthorized access to all test parameters and memory locations.
Mechanical	Bench or rack mount with tilt up feet.
Dimensions 3130	(W x H x D) 8.5 x 4.0 x 15.5 in. (216 x 103 x 390 mm) includes feet
Dimensions 3140	(W x H x D) 8.5 x 4.0 x 16.9 in. (216 x 103 x 430 mm) includes feet
Dimensions 3160	(W x H x D) 16.9 x 5.1 x 15.7 in. (430 x 130 x 400 mm) includes feet
Weight 3130	19.15 lbs (8.7 kgs)
Weight 3140	30.9 lbs (14 kgs)
Weight 3160	49.40 lbs (22.40 kgs)
Calibration	Traceable to National Institute of Standards & Technology (NIST). Calibration controlled by software. Adjustments are made through front panel keypad in a restricted access calibration mode. Calibration information stored in non-volatile memory.

Available Accessories

Probe (38084)

Probe (38538)

Fixed tip 4-wire Ground Bond probe for use with the 3130. Fixed tip 4-wire Ground Bond probe for use with the 3140.

Specifications subject to change without notice.



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