

HYAMP®

The Industry Leading Production Line Ground Bond Instrument



Our new HYAMP® Series provides manufacturers with data-driven results and greater test flexibility required in today's complex test environment. Quickly collect test data and test settings from the convenient front panel USB port onto a standard USB flash drive. Use the front panel barcode connection to associate products with preprogrammed test files. Test with greater flexibility by performing either AC Ground Bond or DC Ground Bond at a maximum of 40 A of current. The new HYAMP® features a drastically reduced weight and footprint making it the ideal lightweight Ground Bond solution for laboratory and production line testing applications. Easily interconnect with the Hypot® Series to form a complete safety compliance system.



Find the Model that Fits Your Testing Needs



Ground Bond

NEW 2017 3240

AC/DC

AVAILABLE INTERFACES



USB

SAFETY & PRODUCTIVITY FEATURES



PLC Remote
Basic PLC relay control



Remote Safety Interlock
Easily disable HV output



Data Transfer
Easily import/export test files and data via USB



Barcode Capability
Direct barcode connection



Multiple Languages
Multi-Language user interface



Ground Bond Voltage Drop
Monitor voltage drop vs resistance



FailCHEK™
Confirms failure detection



Prompt & Hold
Provides alerts & instructions between tests



Advanced User Security
Customize ID & password protection



Accredited Cal
Accredited calibration options available



4-Wire Measurement
More accurate milliohm measurement



Interconnection
Interconnect with Hypot® to form a complete test system



On Board Data Storage
Save up to 1,500 Test Results on-board

INPUT SPECIFICATIONS	
Voltage	100 – 120 VAC / 200 – 240 VAC ± 10% Auto Range
Frequency	50/60Hz ± 5%
Fuse	10 A, Slow Blow 250 VAC
GROUND BOND TEST MODE	
Output Voltage (Open Circuit Voltage)	Range: 3.00 – 8.00 VAC/DC Resolution: 0.01 VAC/DC Accuracy: ± (3% of setting + 3 counts)
Output Frequency	50 or 60 Hz, User Selectable/DC
Output Current	Range: 0 – 150 mΩ for 30.01 – 40.00 A 0 – 200 mΩ for 10.01 – 30.00 A 0 – 600 mΩ for 1.00 – 10.01 A Resolution: 0.1 A Accuracy: ± (3% of setting + 3 counts)
Maximum Loading	Range: 1.00 – 10.00 A, 0 – 600 mΩ 10.01 – 30.00 A, 0 – 200 mΩ 30.01 – 40.00 A, 0 – 150 mΩ Resolution: 1 mΩ Accuracy: ± (2% of setting + 2 counts)
HI and LO-Limit Resistance	Range: 0 – 150 mΩ for 30.01 – 40.00 A 0 – 200 mΩ for 10.01 – 30.00 A 0 – 600 mΩ for 1.00 – 10.01 A Resolution: 1 mΩ Accuracy: ± (2% of setting + 2 counts)
HI and LO-Limit Voltage	Range: 0.00 – 6.00 V Resolution: 0.01 Accuracy: ± (2% of settings + 2 counts)
Dwell Time Setting	Range: 0, 0.5 – 999.9 sec (0=Continuous)
Ω Offset Capability	Range: 0 – 100 mΩ Resolution: 1 mΩ Accuracy: ± (2% of setting + 2 counts)
V Offset Capability	Range: 0.00 – 4.00 V Resolution: 0.01 V Accuracy: ± (2% of setting + 2 counts)
Current Display	Range: 0.00 – 40.00 AAC/DC Resolution: 0.01 AC/DC Accuracy: ± (3% of reading + 1 count)
Voltage Display	Range: 0.00 – 8.00 VAC/DC Resolution: 0.01 AC/DC Accuracy: ± (2% of reading + 2 counts)
Ohmmeter Display	Range: 0 – 600 mΩ for 1.00 – 5.99 A Resolution: 1 mΩ Accuracy: ± (3% of reading + 3 counts)
	Range: 0 – 600 mΩ for 6 – 40 A Resolution: 1 mΩ Accuracy: ± (2% of reading + 2 counts)

GENERAL SPECIFICATIONS	
Remote Control and Signal I/O	The following input and output signals are provided through two 9 pin D type connectors: Inputs: Test, Reset, Hardware Interlock, File Recall Outputs: Pass, Fail, Test-in-Process, Reset-Out, Start-Out Hardware Interlock (safety)
Memories	50 steps 1500 test results
Interface	USB standard
Language	English, Traditional Chinese, Simplified Chinese, Turkish, Portuguese, Spanish, German, French
Security	Multiple user setups with ID and password
Dimensions (W x H x D)	8.5" x 3.5" x 11.9" (215 x 88.1 x 300 mm)
Weight	11 lbs (5 kg)

Why We Use Counts

Associated Research publishes some specifications using "counts" which allows us to provide a better indication of the instrument's capabilities across measurement ranges. A count refers to the lowest resolution of the display for a given measurement range. For example, if the resolution for voltage is 1V then 2 counts = 2 V.

Specifications subject to change without notice.