

HYAMP®

The Industry Leading Production Line Ground Bond Instrument



Our 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 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

3240

AC/DC

AVAILABLE INTERFACES



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



FailCHECK™
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



WithStand® Automation Software

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

For reading specifications, please refer to the user manual.

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.