

# 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.

**EN 50191**  
COMPLIANT



Find the Model that Fits Your Testing Needs



Ground Bond

NEW 2017 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



**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

INPUT SPECIFICATIONS		GENERAL 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: Resolution: Accuracy:	3.00 – 8.00 VAC/DC 0.01 VAC/DC ± (3% of setting + 3 counts)	
Output Frequency	50 or 60 Hz, User Selectable/DC		
Output Current	Range: Resolution: Accuracy:	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 0.1 A ± (3% of setting + 3 counts)	
Maximum Loading	Range: Resolution: Accuracy:	1.00 – 10.00 A, 0 – 600 mΩ 10.01 – 30.00 A, 0 – 200 mΩ 30.01 – 40.00 A, 0 – 150 mΩ 1 mΩ ± (2% of setting + 2 counts)	
HI and LO-Limit	Range: Resolution: Accuracy:	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 1 mΩ ± (2% of setting + 2 counts)	
	Range: Resolution: Accuracy:	0 – 600 mΩ for 1.00 – 5.99 A 1 mΩ ± (3% of setting + 3 counts)	
Dwell Time Setting	Range:	0, 0.5 – 999.9 sec (0=Continuous)	
Ω Offset Capability	Range: Resolution: Accuracy:	0 – 100 mΩ 1 mΩ ± (2% of setting + 2 counts)	
V Offset Capability	Range: Resolution: Accuracy:	0 – 4 V 0.01 V ± (2% of setting + 2 counts)	
Current Display	Range: Resolution: Accuracy:	0.00 – 40.00 AAC/DC 0.01 AC/DC ± (3% of setting + 1 count)	
Voltage Display	Range: Resolution: Accuracy:	0.00 – 8.00 VAC/DC 0.01 AC/DC ± (2% of setting + 2 counts)	
Ohmmeter Display	Range: Resolution: Accuracy:	0 – 600 mΩ for 1.00 – 5.99 A 1 mΩ ± (3% of setting + 3 counts)	
	Range: Resolution: Accuracy:	0 – 600 mΩ for 6 – 40 A 1 mΩ ± (2% of setting + 2 counts)	
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		
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)		
<b>Why We Use Counts</b> 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.			
<b>Specifications subject to change without notice.</b>			