

# HAL COMBI

## PROGRAMMABLE ELECTRICAL SAFETY TESTER

The HAL COMBI offers simple straightforward operation in a manufacturing test environment or a lab / compliance environment. Providing simple manual testing or complete automated operation, equipment can be tested quickly and safely with the minimum of fuss.

Need to maintain test results and prove traceability? The HAL COMBI does that too. It will even bar-code scan the equipment under test, making the whole test process accurate, efficient and fast.



### FEATURES

- ✓ Combination Flash/Hipot Tester and Earth Bond Tester
- ✓ Meets National and International safety standards
- ✓ Saves test results electronically and to a printer
- ✓ Provides bar-code read facility for control of inventory
- ✓ Meets requirements for traceability of equipment and results
- ✓ Fast automatic production testing using sequence capability
- ✓ Single button operation with simple PASS/FAIL indication
- ✓ Ideal in a lab for compliance testing
- ✓ Multiple language capability
- ✓ Electrically isolated outputs provide maximum protection for the user and safe environment
- ✓ Low cost

### SPECIFICATIONS

<b>AC FLASH TEST</b>	
Voltage Range:	0.100 – 5.000kV, 10V steps
Maximum Output Current:	20mA @5kV, 50/60Hz selectable
Display Current Range:	0.01 – 20.00mA
<b>DC FLASH TEST</b>	
Voltage Range:	0.100 – 6.00kV, 10V steps
Maximum Output Current:	10mA @6kV
Display Current Range:	0.01 – 10.00mA
<b>INSULATION RESISTANCE</b>	
DC Output Voltage:	250, 500 OR 1000V selectable, or fully adjustable from 10-1000V
Resistance Ranges Measurement:	0.1 – 100.0MΩ 100M – 1GΩ
<b>ARC DETECTION</b>	
Detect Current:	10 Levels
<b>EARTH BOND</b>	
Test Voltage:	Nominal 6VAC
Output Current Range:	0.1-40.A, 0.1A steps
Compliance Ranges:	0 – 200mΩ @25A, 0 – 500mΩ @10A
Measurement Range:	0 – 1000mΩ,
Test Duration:	0.5 – 10.0S
<b>FEATURES</b>	
Electronic storage of test results	Yes
Test sequences	Predefined and Custom
Visual alarm	Yes
Audible alarm	Yes
<b>EXTERNAL CONNECTIONS</b>	
Printer	RS-232
PC	RS-232
Beacon	Yes
Guard Switch	3-pin
PLC	Dual 3-pin isolated
<b>ENVIRONMENT</b>	
Dimensions	370 x 300 x 204mm
Weight	12kg approx.
Supply Voltage	115V/230V, 50/60Hz
EN50191 compliant	Yes

### ORDER CODES

H103	Supplied with; G2-5001 Output Box, 03919/2 HT Probe, 01520/1 Earth Probe, CON 965/LINK Guard Plug, Instruction Manual and Mains Lead
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### RECOMMENDED ACCESSORIES

194A922	Barcode Scanner
312A950	Desk Test n Tag Printer
PLS001/H	Industrial Label Printer
V242	Calibration Check Unit
H-5009-country*	Class I Output Socket Box with User Definable Socket
DCS317	Guard Switch

\*Please name the country in which the tester will be used