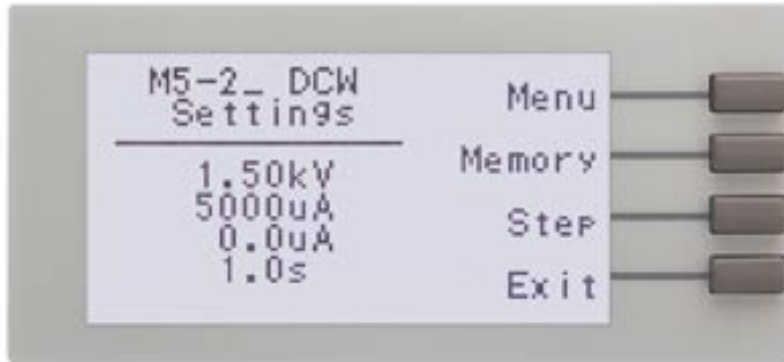


ENHANCED GRAPHIC LCD

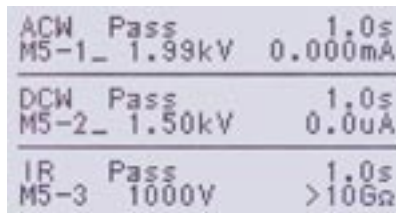


The enhanced graphic liquid crystal display on the Hypot[®]III and the HYAMP[®]III provides the operator with complete test setup and results in an easy-to-use interface. The graphic LCD makes testing safer, easier and more reliable than ever before.

(Above display is shown at actual size.)



Clear test parameters can be displayed on a single screen



Configurable test result screen can be set up to show detailed test results



The test result screen can be set up to show a simple PASS/FAIL indication.

INTERCONNECT CAPABILITIES



A COMPLETE MID-RANGE SYSTEM TO MEET THE MOST COMMON ELECTRICAL SAFETY COMPLIANCE TESTS

With its 2U 1/2 rack mount cabinet design the Hypot[®]III family of products can be interconnected to the HYAMP[®]III, model 3130 Ground Bond tester that is also designed in a 2U 1/2 rack mount style cabinet. These two instruments can then be rack mounted side by side in a single 19" 2U rack space. The interconnect capability of these two instruments also provides a single DUT connection and automates the test sequence or sequences chosen by the operator such as AC Hipot, DC Hipot, IR test and Ground Bond test.

USER-FRIENDLY FEATURES



- **Tamper Proof Front Panel Controls To Limit User Access**
- **User Selectable Output Voltage & Frequency**
- **Complete User Configurable System Capability**
- **Built-In Security Settings**
- **Multiple Test Memories & Steps**
- **Electronic Dwell Setting**
- **No Load Setup Of Voltage Current**
- **Minimum & Maximum Trip Settings**

NEW TO HYPOT[®] III & HYAMP[®] III

FEATURE BENEFIT **Enhanced graphic LCD**
The enhanced graphic LCD provides the operator with an advanced user-interface. This backlit graphic display makes viewing and interpreting test results and data easier than ever before. The LCD can display text and symbols eliminating the need to decipher abbreviations.

FEATURE BENEFIT **Built-in VERI-CHEK[™] self verification system**
Regular verification is required by some agencies to validate that the instrument is functioning correctly. The VERI-CHEK feature, by prompting the user through the correct steps, allows for quick and easy validation. This built-in feature eliminates the additional cost of having to purchase an external box for verification.

FEATURE BENEFIT **Remote Safety Interlock**
The Remote Safety Interlock prevents the high voltage from being activated without the interlock enabled. The interlock works as a safety feature by using a set of contacts to enable or disable the instrument's high voltage output. If the interlock contacts open during a test the high voltage output is shut down.

FEATURE BENEFIT **Built-in CAL-ALERT[™] function**
This feature automatically alerts the user when the instrument is due for re-calibration. This eliminates the need for manual tracking of calibration dates.

NEW TO HYPOT[®] III

FEATURE BENEFIT **Exclusive SmartGFI[™] function**
The patent pending SmartGFI provides maximum operator protection to the user. If the circuit detects excessive leakage to the ground it shuts down the high voltage in less than 1 millisecond. SmartGFI is automatically activated if the DUT is not grounded so that the operator does not need to make the decision whether to activate the SmartGFI.

FEATURE BENEFIT **Max output current 20 mA AC and 7.5 mA DC**
Hypot[®] III is a true hipot tester with enough output current to test capacitive loads in AC mode and allows the instrument to comply with the UL "120 K ohm" requirements.

FEATURE BENEFIT **Switchable Floating and Grounded Return**
This feature is included within the software of the instrument. The instrument automatically detects if the DUT is floating or connected to Earth Ground. If the DUT is grounded the smart GFI circuit turns off the GFI detector. If the DUT is floating the GFI circuit is enabled.

FEATURE BENEFIT **Digitally controlled arc detection system**
The arc detection system allows the operator to select whether low-level arcs should be detected and provides the operator with the ability to digitally select and program multiple sensitivity levels.

FEATURE BENEFIT **Built-in adjustable Continuity test mode**
Hypot[®] III meets ground continuity test requirements called out by UL and other safety agencies.

FEATURE BENEFIT **Electronic ramping (up & down)**
Electronic ramping provides a gradual and timed method to increase or decrease output voltage to the DUT effectively minimizing any damage from quick high voltage changes to sensitive DUTs.

FEATURE BENEFIT **Resistance Range of 1-9999 MΩ**
Model 3670 AC/DC/IR includes an increased maximum resistance limit, which will allow for increased resistance measurement of the insulation of a DUT.

| GROUND BOND TEST MODE | |
|---------------------------|---|
| INPUT VOLTAGE | 115/230V selectable, $\pm 10\%$ variation 50/60 Hz, $\pm 5\%$ |
| FUSE | 6.3 A fast blow 250 VAC |
| OUTPUT | Current: AC 1 - 30 A, 0.01 A/step Regulation: $\pm (2\%$ of setting + 0.02 A) Voltage: AC 6 V fixed |
| OUTPUT FREQUENCY | 50/60 Hz selectable |
| DWELL TIME SETTING | 0 and 0.5 - 999.9 secs, 0.1 sec/step 0 for continuous running Accuracy: $\pm (0.1\%$ of setting + 0.05 secs) |
| FAILURE SETTINGS | Max. limit: 0 - 120 m Ω for 1 - 30 A, 1 m Ω /step 0 - 510 m Ω for 1 - 10 A, 1 m Ω /step Accuracy: $\pm (2\%$ of setting + 2 m Ω) Min. limit: 0 - 120 m Ω for 1 - 30 A, 1 m Ω /step 0 - 510 m Ω for 1 - 10 A, 1 m Ω /step Accuracy: $\pm (2\%$ of setting + 2 m Ω) |
| MILLIOHM OFFSET | Offset Capability: 0 - 100 m Ω , 1 m Ω /step Accuracy: $\pm (2\%$ of setting + 2 m Ω) |
| METERING | Ammeter (3 digits) Range: 0 - 30 A Resolution: 0.01 A/step Accuracy: $\pm (3\%$ of reading + 0.03 A) Ohmmeter (3 digits) Range: 0 - 510 m Ω Resolution: 1 m Ω /step Accuracy: $\pm (2\%$ of reading + 2 m Ω) Timer (4 digits) Range: 0 - 999.9 secs Resolution: 0.1 secs/step Accuracy: $\pm (0.1\%$ of reading + 0.05 secs) |

| GENERAL SPECIFICATIONS | |
|---|---|
| VERIFICATION SYSTEM | Built-in software driven verification menu to test fault detection circuits. |
| REMOTE CONTROL & SIGNAL OUTPUT | The following input and output signals are provide through two 9 pin D type connectors; 1. Remote control: Test, Reset, Interlock and Withstand Processing 2. 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. Memory Lock capability to avoid unauthorized access to Memory locations. |
| LINE CORD | Detachable 7 ft. (2.13m) power cable terminated in a three prong grounding plug. |
| DISPLAY | 128 x 64 dot resolution with front panel contrast setting. |
| ALARM VOLUME SETTING | Front panel adjustable volume setting with 10 set points. |
| CALIBRATION | Traceable to National Institute of Standards and 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. |
| MECHANICAL | Tilt up front feet. 2U 1/2 rack. Dimensions: 8.5 x 3.5 x 14.5 inches (215 x 89 x 370 mm) Weight: 19.65 lbs. (8.9 Kgs) |
| ENVIRONMENTAL | Operating Temperature: (0° - 40° C) Relative Humidity - 0 to 80% |

Unless otherwise stated, accuracies are relative to a laboratory standard measurement.

ACCESSORIES

| ACCESSORIES: | | |
|---------------------------------|--|---------------|
| Rack Mount Kit | Connects the instruments & provides the necessary flanges for mounting the system into a 19" rack. | 38321 |
| Resistor Kit | Precision 1% resistor is ideal as a load to set current trip points. Meets 120 k ohm requirements. | 35534 |
| Black Stationary Probe | Provides an insulated fixed metallic contact point to a DUT for a return path. | 35539 |
| Foot Switch | Ideal for applications where an operator needs to start a test "hands off" the instrument. | 35822 |
| Retractable Probe | High voltage retractable 5 KV AC probe for safe testing & application of high voltage. | 38081 |
| Retractable Return Probe | This retractable probe is used on the return side of the Hypot®III. | 38082 |
| Safe-T-Probe® | Test gun with trigger that controls retractable probe & activates instruments high voltage circuit. | 38083 |
| Adjustable Resistor Bank | Provides test loads from 120 K to 2.148 k ohms. 6 terminals with 12 settings. Helps verify regulation. | 36956 |
| Interface Kit | Includes cables & adapter box so multiple tests can be performed through a single DUT. | 260-01 |