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ASSOCIATED RESEARCH
AN IKONIX BRAND

Quick Start Guide

HypotULTRA®

for the following models: 7800, 7820, 7850

SAFETY CHECKLIST

Survey the test station. Make sure it is safe & orderly.

Always keep unqualified/unauthorized personnel away from the test area.

Familiarize yourself with safety protocols in the event of a problem.

Exercise caution and never touch products or connections during a test.

Train operators. Never touch clips directly & always connect the return lead first.

You should always know when a test is being performed.

WARNING: THIS GUIDE WAS CREATED FOR OPERATORS HAVING SOME FAMILIARITY WITH ELECTRICAL SAFETY TESTING. AN ELECTRICAL SAFETY TESTER PRODUCES VOLTAGES AND CURRENTS THAT CAN CAUSE HARMFUL OR FATAL ELECTRIC SHOCK. TO PREVENT ACCIDENTAL INJURY OR DEATH, THESE SAFETY PROCEDURES MUST BE STRICTLY OBSERVED WHEN HANDLING AND USING A TEST INSTRUMENT. CONTACT US AT INFO@ARISAFETY.COM FOR MORE INFO ON HOW TO GET TRAINED ON ELECTRICAL SAFETY TESTING.

TOUCH SCREEN OPERATIONS

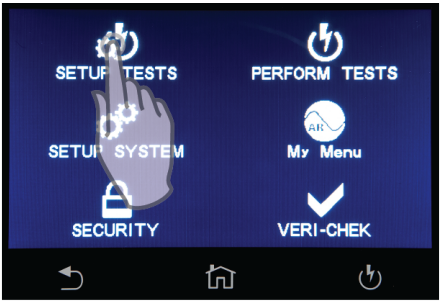
Back

Home

Test Screen

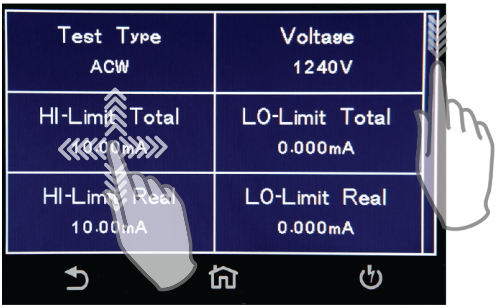
TOUCH

Tap the virtual buttons to open various functions.



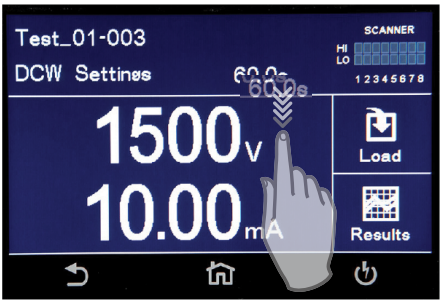
SWIPE UP, DOWN, LEFT & RIGHT

Simple gestures allow you to quickly move through screens & parameters.



DRAG & DROP

Simply touch and hold the test file, test step, or parameter and drag the file to the appropriate location.



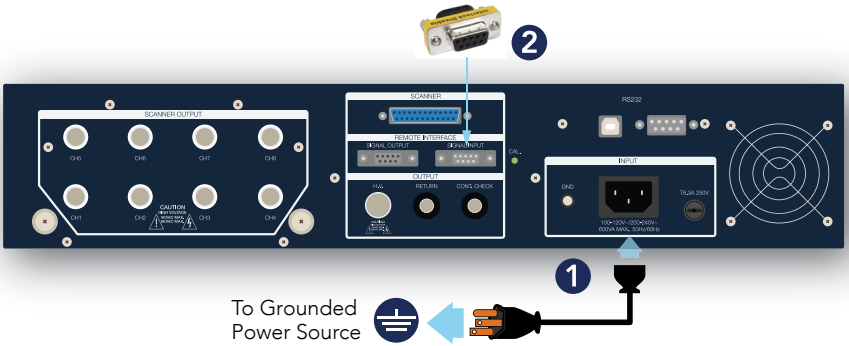
INSTRUMENT SET UP

WARNING: LOCATE A SUITABLE TESTING AREA WITH A CLASS I GROUNDED OUTLET. BE SURE THAT THE CLASS I GROUNDED OUTLET HAS BEEN TESTED FOR PROPER WIRING. MAKE SURE YOU READ THE SAFETY CHECKLIST OF THIS GUIDE BEFORE USING THE INSTRUMENT.

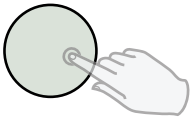
1. Connect the female end of the standard NEMA style line power (mains) cord into the input power receptacle on the rear panel of the instrument and plug the male end of the cord into a grounded power source.

2. Connect the Interlock Disable Key to the Signal Input connector on the back panel of the instrument if you're not utilizing a DUT enclosure (P/N 39064 or 39656) or other safety device. This is required in order to run a test.

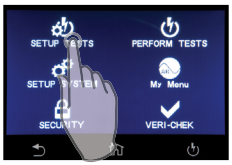
3. Turn the instrument power switch ON.



TEST SET UP

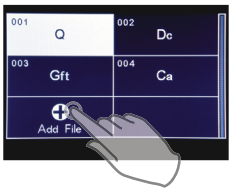


PRESS POWER



TAP SETUP TESTS

Home Screen

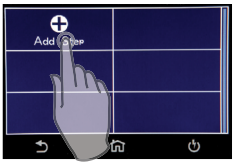


TAP ADD FILE

File Screen

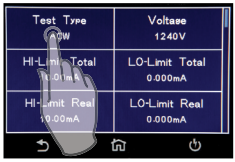
ADD FILE NAME

Tap the ENTER (↵) key to save your selection



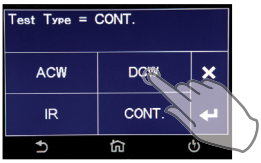
TAP ADD STEP

Add Step



TAP TEST TYPE

Test Parameter Screen



SELECT TEST TYPE

Tap the ENTER (↵) key to save your selection

VIEW PARAMETERS

Swipe left or right to scroll through parameters and tap parameter values to edit. After you adjust the parameters, tap the ENTER (↵) arrow key to save changes.

ADAPTOR BOX CONNECTIONS

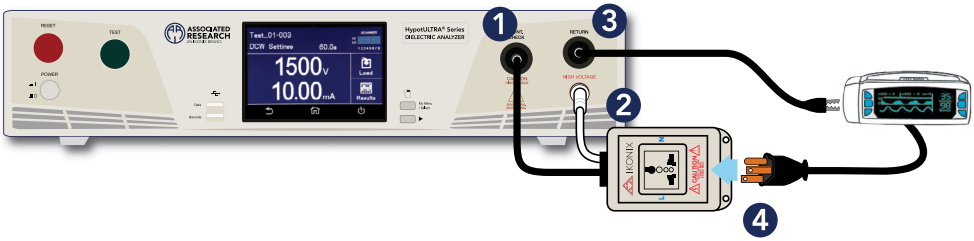
DO NOT TOUCH THE DEVICE UNDER TEST ONCE YOU START THE TEST.

The adapter box provides an easy way to connect the HypotULTRA to a device under test (DUT) terminated in a two- or three-prong power cord. The following diagram shows how to connect the adapter box to the HypotULTRA and to the DUT.

Note: If you need to perform a Ground Continuity test, be sure you enable the Ground Continuity test type before moving forward.

1. Plug the black cord from the adapter box (P/N 36544) into the continuity output terminal located on the front panel.
2. Plug the white cord from the adapter box (P/N 36544) into the high voltage output terminal located on the front panel.
3. Connect the black ground return lead (P/N 2100A-13) to the front panel return output terminal and connect the other end of the lead to the dead metal on the chassis of the DUT. Always check to be sure a good connection has been made between the DUT and the return clip.
4. Plug the line cord of the DUT into the adapter box receptacle.

Note: You may also use the rear output terminals on the back of the HypotULTRA instead of the front panel output terminals.



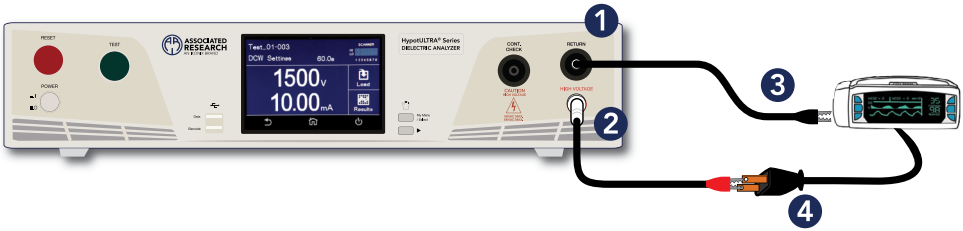
TEST LEAD CONNECTIONS

DO NOT TOUCH THE DEVICE UNDER TEST ONCE YOU START THE TEST.

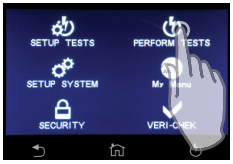
If there is no ground circuit on your DUT, you may use the test leads to connect the HypotULTRA to your DUT. Turn off the Continuity function for this connection.

1. Plug the black ground return lead (P/N 2100A-13) into the Return terminal on the front panel of the instrument.
2. Connect the high voltage lead (P/N 4040A-08) into the High Voltage terminal on the front panel of the instrument.
3. Connect the black ground return lead (P/N 2100A-13) to the dead metal on the chassis of the DUT. Always check to be sure a good connection has been made between the DUT and the return clip.
4. Attach the high voltage lead (P/N 4040A-08) to the current carrying conductors of the DUT.

After you make the proper connections, you can initiate a test from the front panel of the HypotULTRA by pressing the green TEST button. Press the red RESET button to abort a test in process.

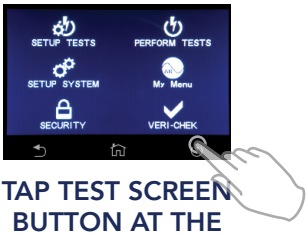


PERFORM TESTS



TAP PERFORM TESTS

OR

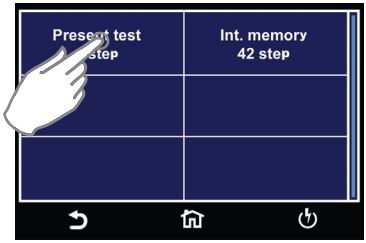


TAP TEST SCREEN BUTTON AT THE BOTTOM OF THE TOUCH SCREEN

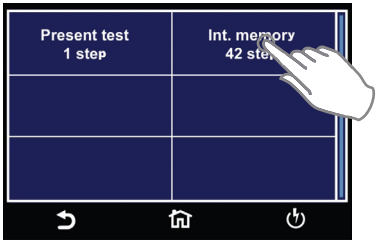
PUSH THE TEST BUTTON

RESULTS

After a test has completed, the Results icon will be available on the screen. Tap RESULTS to view your test results.



Tap "Present test step" to view the results of the last test step.



Tap "Int. memory" to view the previously performed steps.

Experts In Electrical Safety Compliance.®

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FOLLOW US!

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For additional information about these and other key features of the HypotULTRA, please consult the full Operation and Service Manual or call us toll-free 1-800-TEST (8378) or +1-847-367-4077.

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