

TestLink: Setup of the Cableset between HT and GF testers

Overview: The HT-2000, HT-2800 and HT-3000 Hipot Testers can be used with the GF-30ac 25A Ground Bond Tester to allow the high current ground bond test to be conducted at the same time as the Hipot Test with the TestLink cableset. When the TestLink cableset is connected as shown in this paper, a press of the TEST button on either the Hipot or Ground Bond tester will initiate the test sequence:

1. Ground Current Test. If the ground impedance is 0.1 ohms or less, then the test is deemed successful and the Hipot test is begun.
2. If the Hipot test is successful, the test terminates with all three green lights illuminated on the Hipot tester.

TestLink cableset connections

1. If equipped with this feature, the HT and GF testers can be connected together with the TestLink cableset to allow the Ground Bond and Hipot tests to be conducted together.
2. The TestLink cableset consists of two cablesets; a DB-9 cable and a two-conductor custom cableset terminated at one end with a NEMA 15P plug and the other with two banana jacks.
3. The Front Panel connectons are made on the GF Ground Fault tester only. This is shown on the picture below. The cable with green tape on it is the test cable that is connected to the product being tested, and should be ignored for the TestLink setup.



4. Take the other ends of the two wires and connect them to the rear panel of the HT Hipot tester as shown in the following picture. Note RED to RED, BLACK to BLACK. Also, connect the DB-9 on the rear panels of each tester together with the supplied cable.
5. Check the position of the GROUND CHECK switch on the rear panel of the HT Hipot Tester. For proper operation of the TestLink combination, it must be in the ON position.



This completes the setup. The two testers should function together, with the GF Ground Bond test completing first, followed by the HT Hipot Test. The Test Results are shown on the front panel of the HT Hipot Tester. Three green lights indicate a successful test.

Use of a TestLink-configured HT Hipot Tester in standalone mode

1. The HT Hipot Tester, if configured with TestLink capability, will be equipped with a DB-9 dongle attached to the rear panel with a cord. For proper use in standalone mode (without a GF Ground Bond Tester attached), the dongle must be connected to the DB-9 connector on the HT rear panel. See the picture below, showing the dongle connected.



Use of the GF Ground Bond Tester in standalone mode

1. No connections are necessary to use the GF Ground Bond Tester in standalone mode.

