

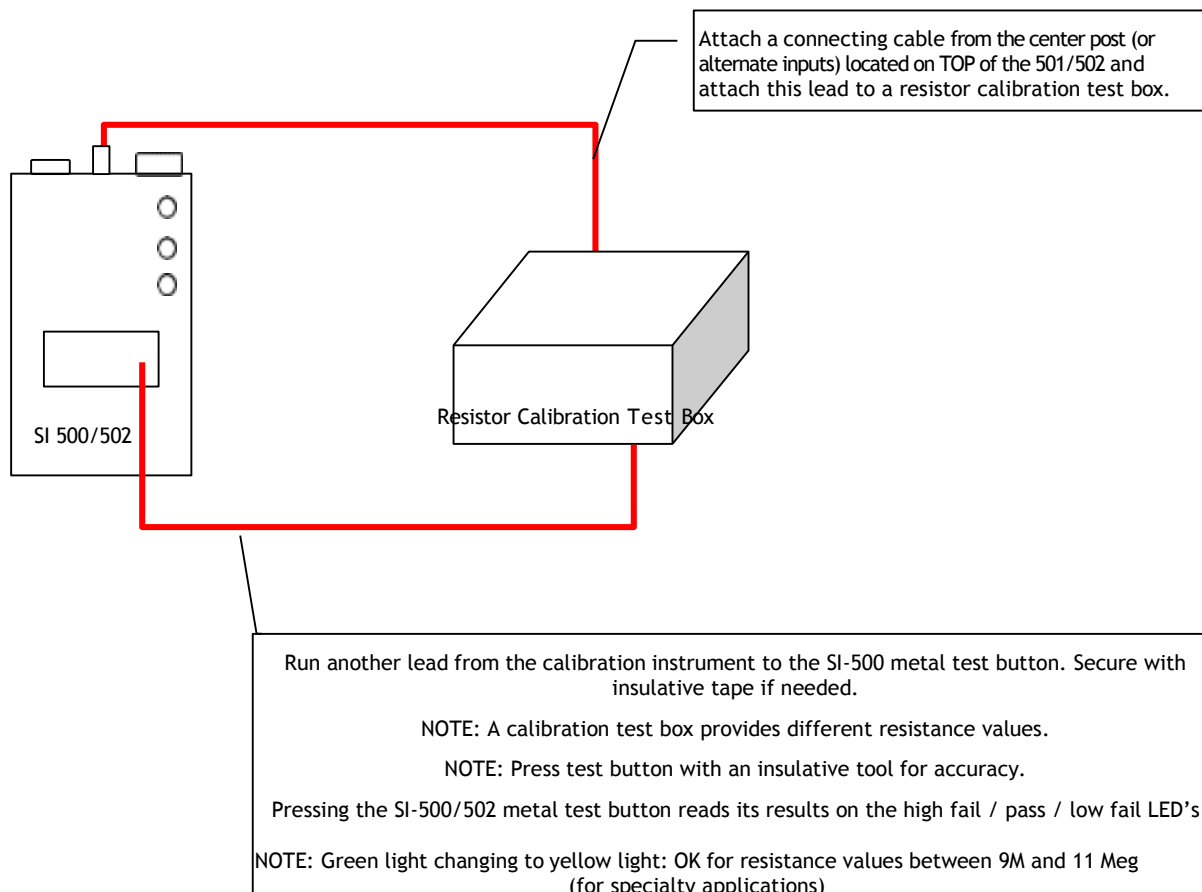
## Calibration Procedure for SI-500 & 502 ESD Wrist Strap / Heel Strap Testers

The passing range for our SI-500 or SI-502 testers is 750K-10Meg $\Omega$  ( $\pm 10\%$ , 675k-11Meg is acceptable). A resistance calibration box will check if the green light comes on within this range. If the test results are within the range, there is no need to open the units and make adjustments internally.

**NOTE:** Breaking the seal on the SI-500/502 tester voids the warranty.

**It is RARE for these units to go out of calibration. Open the unit ONLY if needed.**

Please perform the following test on an insulative work surface with an electrical resistance (surface resistance and resistance to ground) of  $> 1.0E12$  to avoid interference from the desktop's capacitive resistance and stray capacitance that may affect the test accuracy. **NOTE:** When performing this test press the test button using an insulative tool to avoid altering the resistance of the test box (for optimum accuracy). Ensure that when pressing the SI-500 or 502 test button, the BAT-Low (red indicator light) is not illuminated. If this light illuminates replace the battery. The connection method between the resistance calibration instrument and the SI-500/502 is as follows:



## INTERNAL ADJUSTMENTS

Note: do not open unless absolutely necessary as breaking the seal voids the warranty. It is extremely uncommon to need to use these internal adjustments



History:  
Initial Release: 6.3.24.  
Approved SRC