

HiPot Testing for the 1540 Crossover Stirrer



The 1540 Crossover Stirrer (1540) requires Dielectric Withstand and Earth Continuity Testing.

The testing is to be completed using a **calibrated** HiPot Tester capable of performing AC dielectric voltage withstand test, with ramp rate, and ground continuity.

HiPot Tester model examples are, but not limited to, the Chroma 19071 and Criterion AVC-50VA.

Test Parameters

Dielectric Voltage Withstand Test

The 1540 power switch to be in the “**ON**” position and the Quick Stop Button not engaged (twist the button in the direction of the arrows to ensure it is not closed). See Figure 1.

HiPot Tester Settings (Figure 2)

Voltage: 840Vac

Current: 10 mA (minimum)

Ramp: 3 seconds

Dwell: 3 seconds

Ground Continuity

Test power supply cord earth conductor by providing continuity between cord protective conductor (ground) and the accessible conductive parts of the stirrer.



Figure 1: Location of Power Switch (in ON position) and Quick Stop Button



Figure 2: Testing Parameters on Dielectric Withstand for Chroma HiPot Tester

Reporting

Provide a report/document with HiPot Tester model, tester serial number, tester calibration date, date of test, location of test, status of test (pass/fail).