

Megohmmeter Guidelines

Basic testing procedures

Set megger at 500V DC for testing.

Hook one lead to ground and one to black wire Test that wire.

Leave lead hooked to ground and test each of the others.

This is testing to ground.

Next hook a lead to black then hook the other lead to white.

Then leave lead on black and hook the lead to red.

Leave the lead hooked to red and test that to white.

This is testing for a leak between the conductive wires.

Test unit and cable while in water:

Turn off power then disconnect cable in panel

Test between all leads.

Good reading is 0.5+, less than 0.5 is questionable

If you get good readings unit and cable are likely OK,

if questionable or dead short the next step is pull the unit.

Pull fountain and isolate cable and unit to find problem

Test cable with disconnected at both panel and power unit:

Test between all leads.

Good reading is 30+, less than 30 questionable, less than 10 likely bad

Test ALC if initial cable check reading is less than 30:

Test between all leads.

Good reading is 30+, less than 30 questionable, less than 10 likely bad

Test power unit at bulkhead or thru test pigtail:

Test between all leads.

Good reading is 30+, less than 30 questionable, less than 10 likely bad