



Using a Megger to Troubleshoot STRATA_HEAT™ Wire TDS 219

WHAT IT DOES

The megger is used as a quality control measure to test the insulation resistance, to detect any fault in the STRATA_HEAT Wire. Such leaks cannot be spotted with a regular ohmmeter and help spot any damage to the STRATA_HEAT Wire and the STRATA_HEAT Wire jacket.

HOW IT WORKS

The megger sends voltage through the STRATA_HEAT Wire to calculate the amount of current flowing through the circuit, for an accurate indication of insulation integrity. Higher resistance means good insulation.

HOW TO USE IT

- Make sure no power is running to the heating system you are testing.
- Insert the probes into the V and COM input terminals.
- Turn the dial to the 500V setting (if testing 240V system) or 250V (if testing a 120V system).
- Clip the black probe to the black wire come from cold tail lead.
- Hold or clip the red probe to the ground wire.
- The display should show “----“until the test button is pressed.
- If the high voltage symbol appears along with >30 V, disconnect the probes and disconnect the power to the heating wire before proceeding further.
- If the high voltage symbol does not appear, push and hold the TEST button to begin the test. PLEASE NOTE: The number in the bottom right of the display screen shows the voltage being applied to the circuit. The resistance will show in the middle of the screen MΩ or GΩ. The TEST icon will appear in the bottom right corner until the test is complete. If the resistance is higher than the maximum display range, the megger will display the > symbol on the screen. Higher resistance means good insulation. The minimum and maximum IR (Insulation Resistance) can be found in the megger manual.
- Keep the probes connected and release the TEST button.
- Remove both probes and repeat the test by clipping the black probe to the red (if testing a 240V system) or solid yellow (if testing a 120V system) and repeat the above steps.
- Your reading should be higher than 1mA. Anything lower please call LATICRETE Technical Services as 1.800.243.4788 x1235.

Technical Data Sheets are subject to change without notice. For latest revision, check our website at <https://laticrete.com>
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