



MASY SYSTEMS, INC.

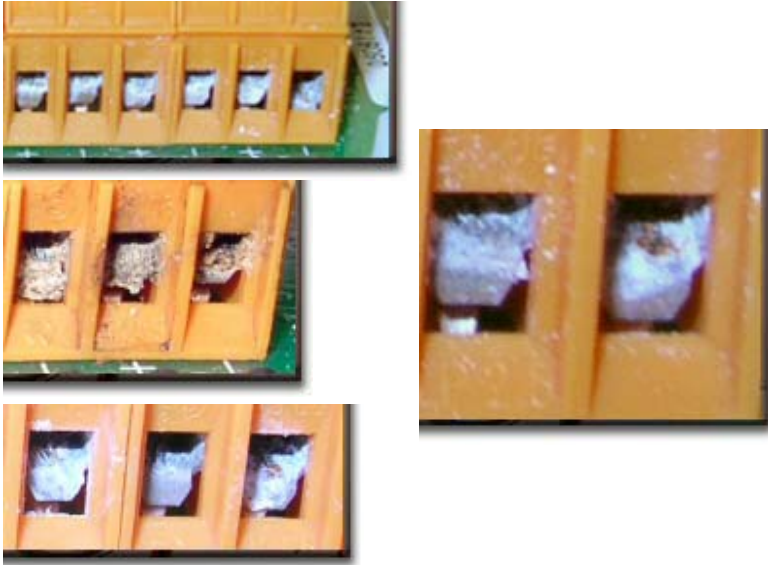
Validation Services

Datalogger Electronics Damage from Thermocouple Leakage

Issue

When using thermocouples in the sterilization process, it is imperative to ensure that the steam does not wick into the electronics in the datalogger causing corrosion.

Examples of corroded SIM terminals:



Solution

Carefully slice or remove 1/4" from the thermocouple's outer jacket at least 18" away from the SIM (or at the chamber feedthrough), to help prevent liquid from entering and damaging the electronics. **Note:** Even after taking these precautions moisture may still accumulate in the SIM and cause damage.

- To determine the location of the slice on the thermocouple jacket, estimate the distance from the datalogger that your thermocouple is likely to hang down. We normally slice about 18" from the datalogger.
- Once you have your location, lay the thermocouple flat on one side. **Very** carefully, slice the jacket with a skillful slice approximately 1/4 inch long, then flip over and slice through other side, making sure the red and blue wires are not damaged.
- *Slice the jacket in the middle only!* Test your thermocouples after slicing to be sure they are functional. Replace any that were inadvertently sliced.