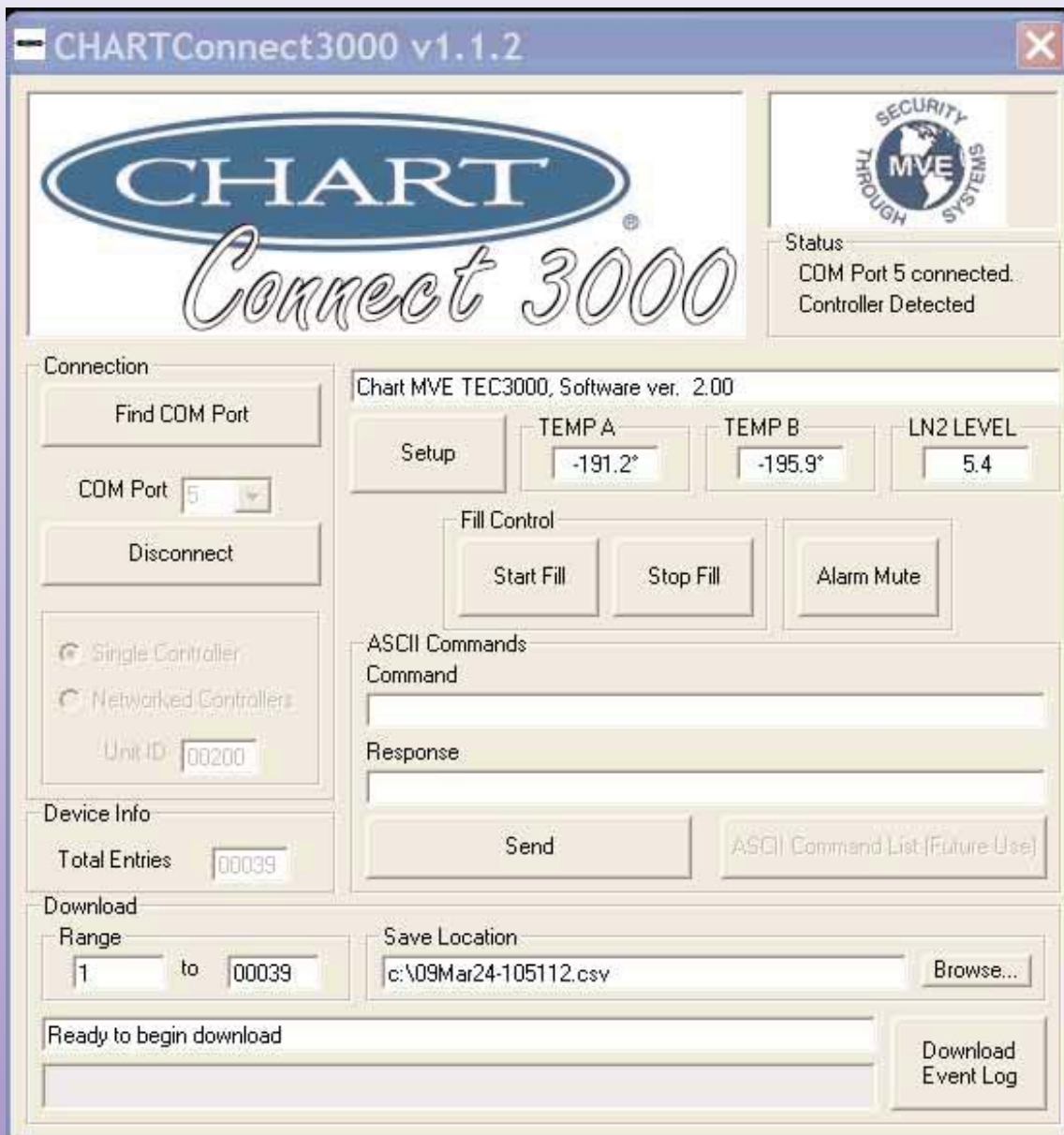


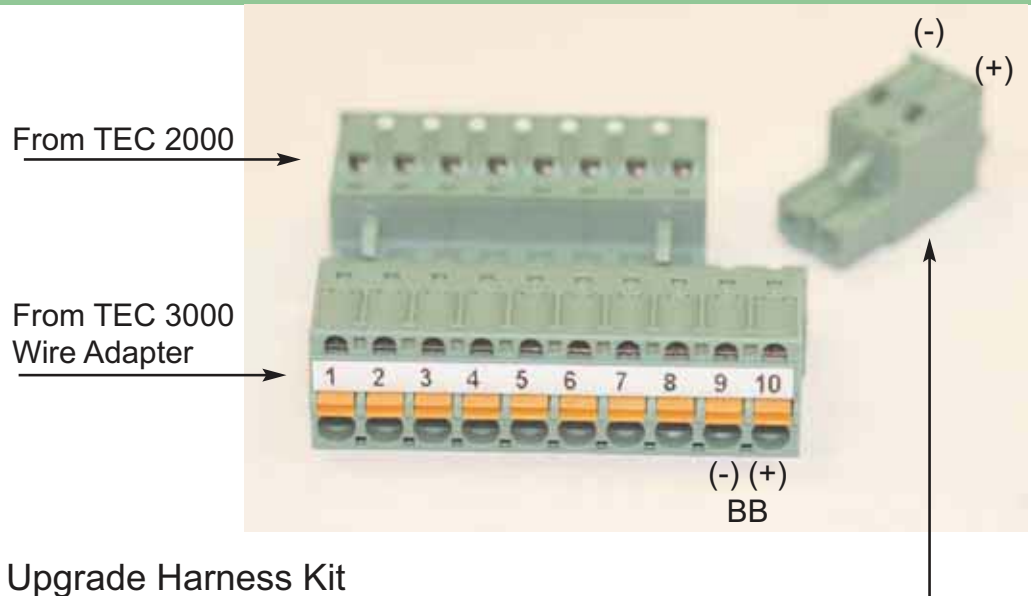
ChartConnect 3000 version 1.1.2 Upgrade

Chart Connect 3000 has been upgraded. The new program is more reliable and robust. A control panel for filling was added for ease of use. You can access this feature on our website at www.chartbiomed.com/tec2000.cfm under the "Communications" section. Below you will find a screen shot.

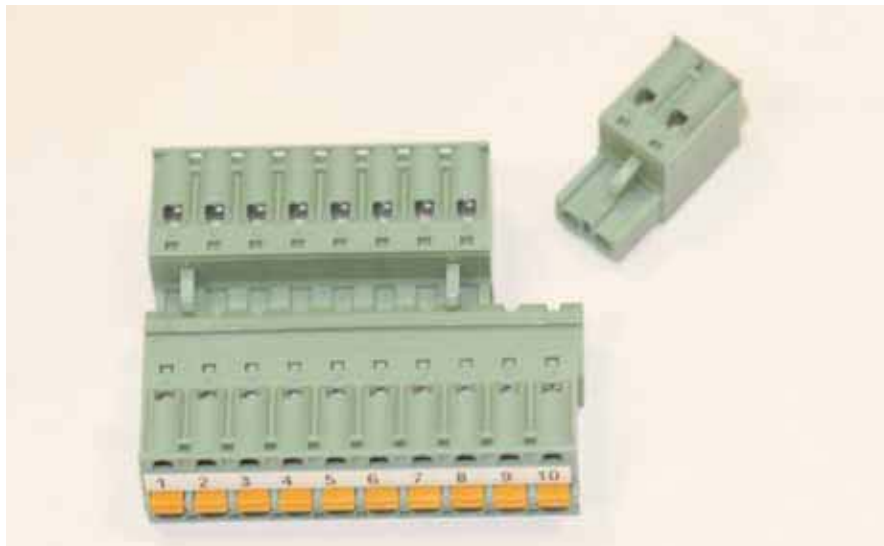


TEC 2000 to TEC 3000 Upgrade Connections

Attached are pictures for your reference to help you properly make the connections when performing an upgrade from TEC 2000 to TEC 3000. Connecting these incorrectly may damage your controller.



TEC 3000 Upgrade Harness Kit



From TEC 2000
Battery back up
(Confirm negative
and positive
terminals)

Excessive Frost and Ice on Freezer Lids

Sometimes an excessive amount of frost and ice may accumulate around the freezer lid. This can be attributed to several issues. Sometimes replacing or adding additional gasket material can alleviate the problem. For open top models, ensure there is a large enough gap in the gasket at the rear of the lid to allow sufficient venting. Six to eight inches is a typical size vent. Be sure to eliminate other possible causes such as a compromised vacuum, out of range supply pressure, or a leaking fill valve.

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Jerome Power Supply

When installing TEC 2000 to TEC 3000 upgrades, you should use the new Jerome power supply included in the kit. The previous Lakeshore Jerome and MDC power supplies will not function properly with the TEC 3000 and must be replaced with the provided Jerome power supply. Later TEC 2000 controllers were equipped with an earlier version of the Jerome power supply. Although this power supply is compatible with the TEC 3000, the newer version of the Jerome power supply, included in your kit, has a higher surge current threshold specifically designed for the TEC 3000 / solenoid valve combination. Using the new power supply will reduce power failures and is the recommended power supply for all TEC 3000s. If you have any questions or concerns, please contact Technical Service.

How to Retrieve Samples through an Access Panel

For those of you with High Efficiency freezers, you may have experienced samples mysteriously disappearing into the pit below the vapor platform. There is a way to retrieve those samples. Below you will find the materials needed and the instructions.

Materials Needed

1. Piece of Wire (Bent into a hook)
2. Cool Reach (PN: 13051579)

Instructions

1. Shape a piece of wire into a hook.
2. Turn tray until the section with the access panel is located.



3. Insert the bent wire into the oval hole.



4. Lift the access panel until it is completely open.



5. Retrieve samples using the Cool Reach(PN: 13051579)



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