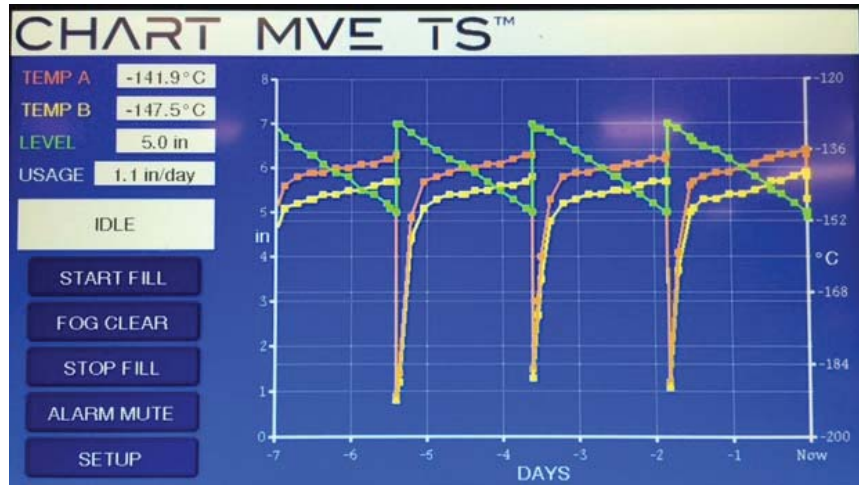
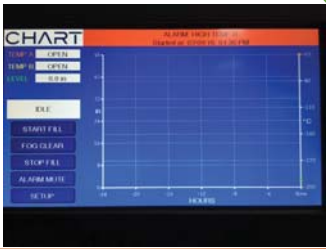
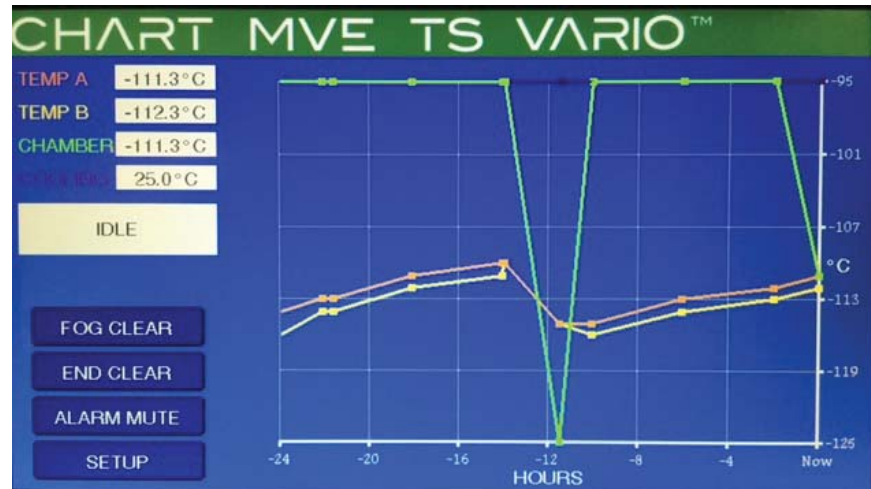
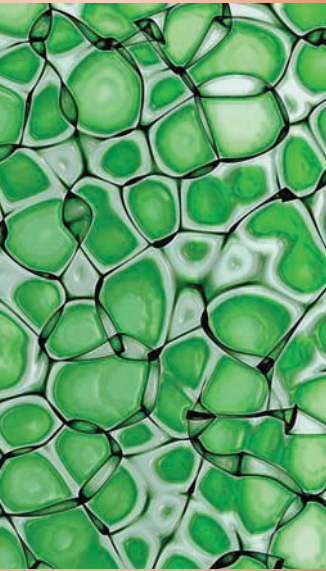


Chart MVE TS

(Touch Screen)

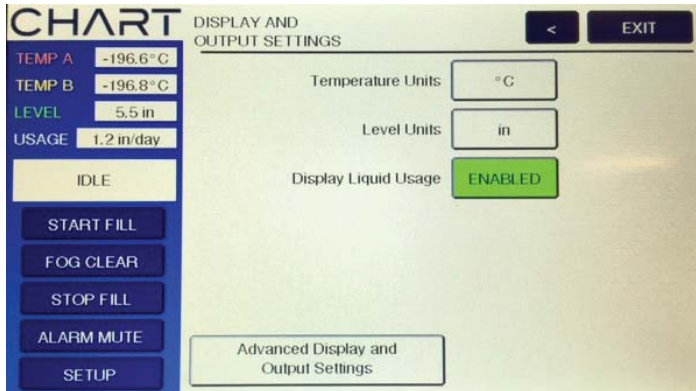


Liquid Version



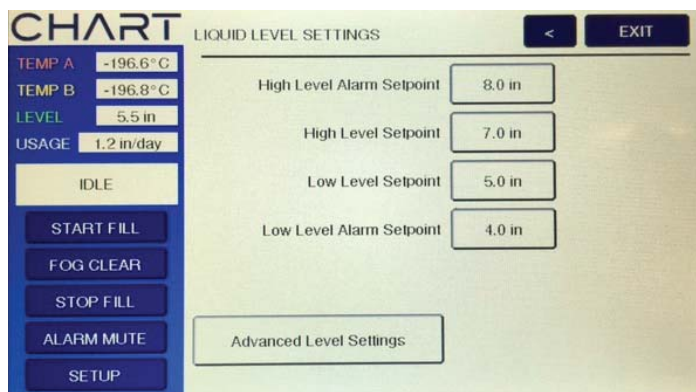
Vario Version

Chart MVE TS (Menus)



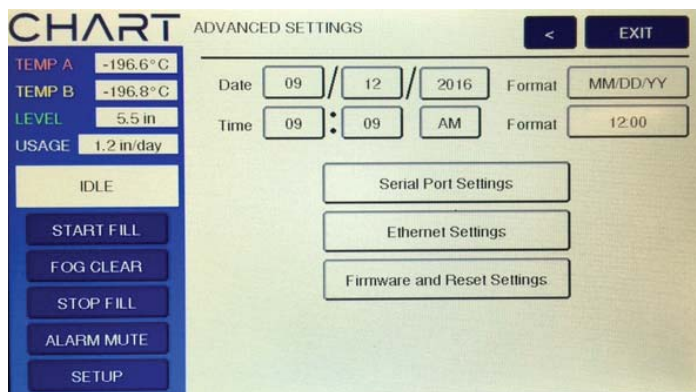
Display and Output Settings

Change unit of measure for Temperature and Liquid Nitrogen Level. Advanced Display and Output accesses the Buzzer and Printer settings



Liquid Level Settings -(Automatic Liquid Nitrogen Level Control)

The fully automated LN2 level control system is based on user-defined parameters that can be electronically adjusted over the entire level range. The parameters include Low Level Alarm, Low Level Fill Point, High Level Fill Point and High Level Alarm. Advanced Level Settings Menu can access Level Calibration.



Advanced Settings *(Communication Capabilities)

One independent port can be used to communicate with other TEC 3000 controllers, a remote PC, serial printer, or other RS485 networks and devices. Options include ASCII, MODBUS, Printer and One Fill All Fill (OFAF).

New Ethernet Capabilities Feature*

One independent RJ45 port can be used for network connection.

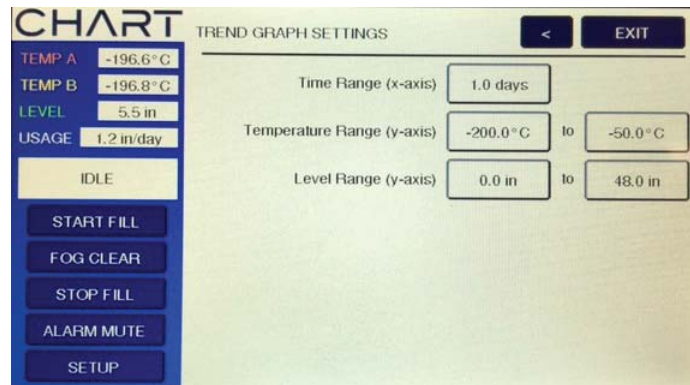
* Refer to the Technical Manual

Chart MVE TS (Menus)



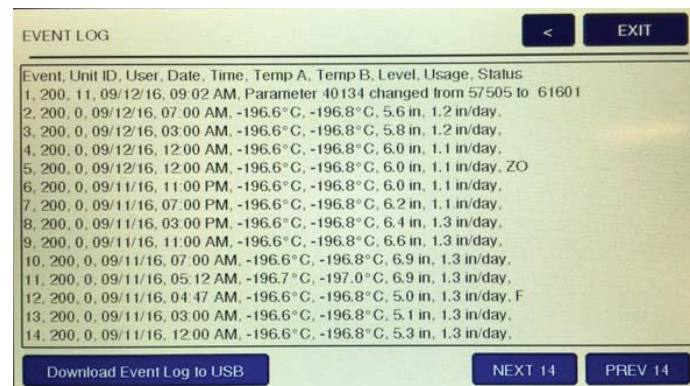
Password Security

The multilevel security system comprised of up to ten user-specific programmable passwords and four security levels can be customized to grant or restrict personnel access to certain menus and settings.



New Trend Graph Settings*

Screen Enables changing the X,Y Graph parameters. Time Range options are one day, seven days, and 30 days. The Temperature Range can be set from -200C to 0C. The Level Range can be set from 0 to 48 inches.



New Viewable Event Log / Data Storage*

Screen can instantly view events on the Touch Screen that stores vital, unalterable, time-stamped data in nonvolatile memory. The Next and Prev enable viewing history data.

New USB Data Transfer and Storage*

USB can download event logs to view events on a computer. The data includes time stamped temperatures, LN2 level, liquid usage, and any alarms or events.

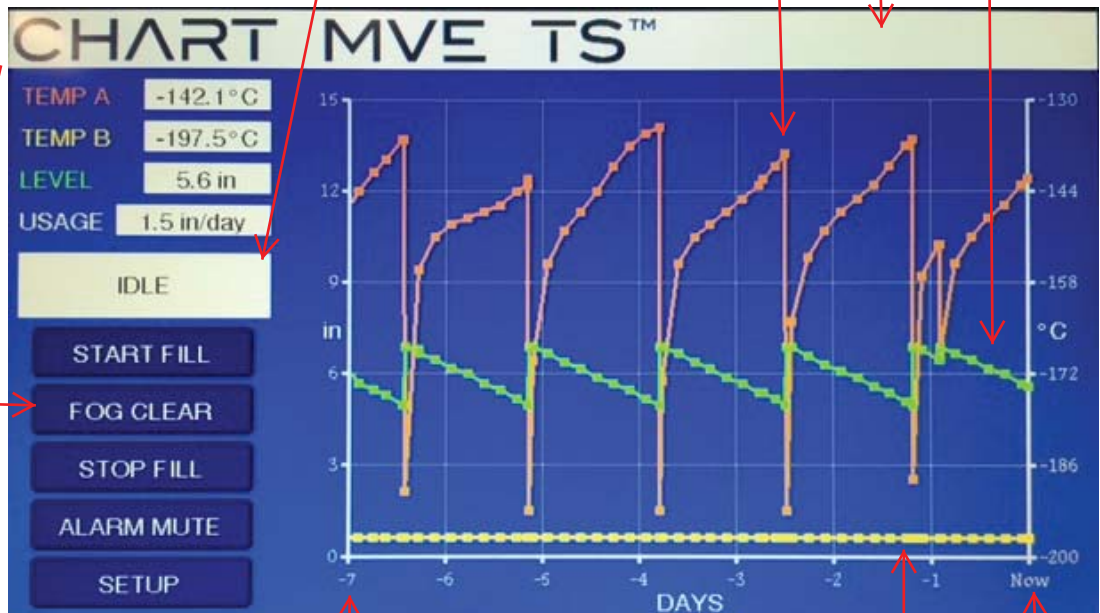
* Refer to the Technical Manual

Chart MVE TS Main Screen Details)

Temp A, B, and Level is displayed when navigating the Menus

Idle Status indicates freezer on standby. Changes to Bypassing or Filling

Alarm Status Indicator (Changes to Red)



Fog Clear Icon! replaced Manual Fill Button)

Trend Data adjustable from one day, 7 days, or 30 days

Temp B Now Data (Present data)

Temperature A & B and Chamber Temp Display on Graph

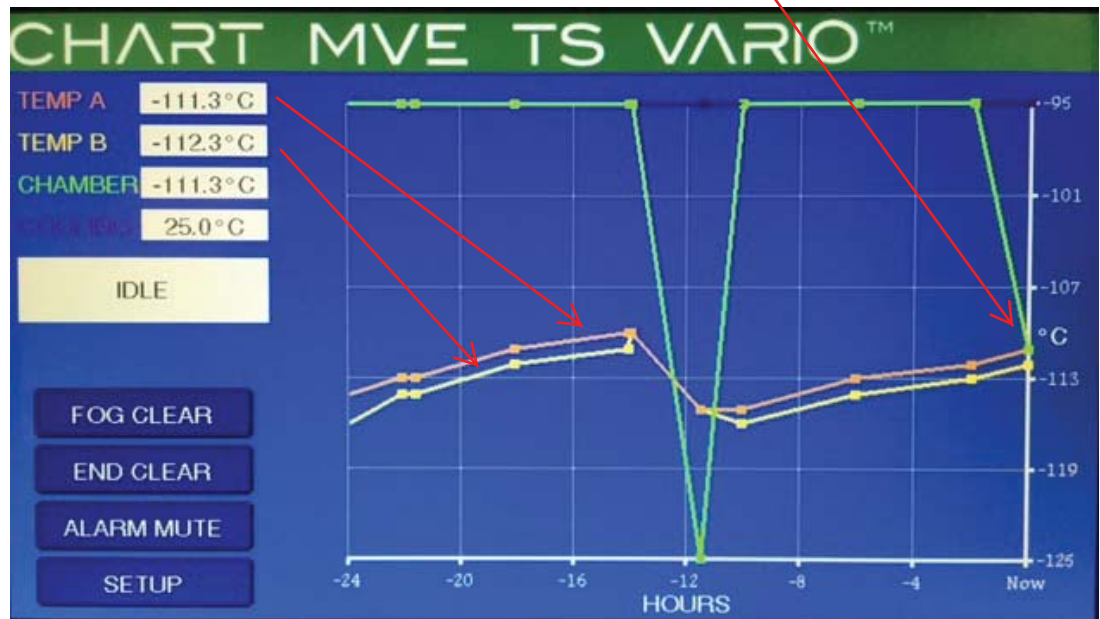


Chart: Total Cryogenic Solutions

Air Separation



Distribution & Storage



Bulk Storage Tanks



Dewars



Liquid Cylinders



Security Through Systems



Freezers

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