

8.6 Troubleshooting

The following troubleshooting guide lists possible problems that might arise with your Series 500 and suggestions to help you locate the source of trouble. For assistance contact the Delta F Customer Support Services Department at 781-935-5808, Fax 781-932-0053, or e-mail at service@delta-f.com.

Problem	The Possible Cause
With power applied, there are no lights or sounds when turning on the Series 500.	After verifying the power source, check that AC power is plugged in at J5 on the Power Supply Board. If OK, check Fuse F1, after disconnecting the AC power and removing the splash shield (Section 8.3.2 Power Supply Board).
After AC power is on, and the instrument turns on, the LOW BATTERY and/or CHECK BATTERY LEDs are lit.	Make sure the Battery Pack is plugged into the two-pin in-line connector to the Power Supply Board. Also, check the in-line fuse to ensure that it is not blown, Figure 2. Be sure the unit has run for 30 to 60 minutes if the battery is completely discharged. If these remedies don't solve the problem, the battery pack should be replaced (part number 16332530).
Both AC and Battery Pack connections are okay, but no Front Panel lights or sounds are operable.	Check that the 40-conductor cable from the Power Supply Board to the Front Panel Board is plugged in at the Front Panel Board.
The instrument seems to be operating properly, but the display is reading 0.00 steadily.	Check that the four-pin connector from the Sensor to the Power Supply Board is plugged in. Check the electrolyte level in the sensor.
BATTERY OPERATION, LOW BATTERY, CHECK BATTERY LEDs flash together. Audible beeps.	This is the Sentry Circuit™ alarm that indicates sensor calibration has changed by more than 1%. Perform a manual calibration (page 47).
The instrument display is reading .2.5.0.	This is the over-range indication. Allow the instrument 15-60 minutes to come on scale, after power is first applied.

Table 8: Troubleshooting Guide