
NIRQuest Addendum

To Our Valued NIRQuest Customers:

CAUTION

Please be sure to download the latest version of SpectraSuite (2.0.140 released June 25, 2009 or later) for full functionality for the NIRQuest Spectrometer. Under certain situations (changing the default TEC temperature or changing the default Gain mode setting), internally stored information in the NIRQuest can be lost if you use an older version of SpectraSuite. Please contact your Ocean Optics representative for more information.

Other issues for the first release of NIRQuest include the following:

- Ensure that the TEC power is always applied (TEC is enabled via SpectraSuite software) prior to USB power. When you first enable the TEC, wait a second before reading the temperature. If the TEC temperature is not decreasing, disable the TEC in software, wait a second and again enable the TEC. This ensures that the TEC always turns on.
- Don't query the TEC temperature more often than necessary. Doing so may cause the TEC to fail to report the correct temperature (although the TEC still remains in control at the last setpoint temperature). Changing temperature reporting to once a minute (once you've reached setpoint) should avoid the problem.
- High Gain mode requires independent linearity correction
- TEC Temperature continuous display update causes the scan to pause and can crash the system if the integration time is changed rapidly (e.g., scrolling with up/down arrows).
- TEC Temperature control can be lost after reading the temperature several hundred or several thousand times (and as a result the temperature will no longer be updated correctly). The TEC temperature is still controlled at the last setpoint under these conditions, but to fix the problem you must unplug both the USB and TEC power for 15s before repowering the device.
- The TEC temperature on the NIRQuest256-2.5 will be factory set at either -20C or -25C for best operation based on optimum linearity performance.

Please contact us for any issues or concerns. Our contact information is located on the front cover of your [NIRQuest Installation and Operation Manual](#) and on our website at: <http://www.oceanoptics.com/ContactUs.asp>.