Improvements to Optilab™ and microOptilab™ (NEON) Firmware

INTRODUCTION

This document highlights the most important enhancements, changes, and bug fixes made to the Optilab firmware. Please contact us at http://www.wyatt.com/contact if you have any questions or suggestions.

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VERSION HISTORY

8.2.40

Improvements

- **Fixed:** Resolved an issue that could prevent instruments manufactured before 2021 from starting after a firmware update with versions 8.2.23 or later. (D-31989)

8.2.38

Improvements

- **Fixed:** Resolved an issue where the instrument front panel would be stuck on the black screen after a firmware update. (D-32195)

8.2.32

Improvements

- **Fixed:** Resolved an issue where ASTRA could incorrectly lose the lock on the instrument if it sets the session ID after already acquiring the lock, potentially disrupting active control sessions. (D-31951)

8.2.26

Improvements

- **Fixed:** Resolved an issue where the Peltier temperature controller could remain stuck heating or cooling when switching directions at maximum duty cycle. (D-31740)

8.2.23

Improvements

- **Added:** Support for updated electronics on newer instruments. (S-27728)
- **Added:** Instrument now supports a configurable network port, allowing connections to ports other than the default port 23. (S-17588)
- **Fixed:** Resolved an issue causing instruments (Optilab, Mobius, and others) to enter an error state or crash after a network disconnection event (D-19401).
- **Fixed:** Resolved an issue where the "Low Dry Gas Pressure" alarm was incorrectly triggered even when gas pressure was within the acceptable threshold (D-31319).

8.1.9

Improvements

- **Fixed:** In rare cases, a system reboot could be required to address data channel and alarm issues. (D-25551)

8.1.8

Improvements

- **Fixed:** The power button may stop working if the instrument does not initialize properly on startup. (D-27618)

8.1.7

Improvements

- **Added:** Performance enhancements for new DAQ board. (S-23383, D-22565, D-22564)

8.1.3

Improvements

- **Fixed:** The auto-optimization of the LED power can get stuck in a loop. (D-22284, S-22837)

8.1.2

Improvements

- **Added:** Support for new DAQ board. (S-20818)

8.0.10

Improvements

- **Fixed:** Installer would sometimes hang when trying to find instruments on the network. (D-19715)
- **Fixed:** Installer would not properly report out of disk space error. (D-19559)
- **Fixed:** Some communication settings were not preserved after a reboot. (D-19163)

8.0.9

Improvements

- **Fixed:** The firmware updater has been made more reliable. (S-19000)
- **Added:** Added a SATA drive health monitor. (S-18673)

8.0.8

Improvements

- **Added:** A new parameter can set the maximum LED current. (S-19130)

8.0.6

Improvements

- **Changed:** Optimized logging by the firmware. (D-18218)

8.0.5

Improvements

- **Added:** Support for ASTRA Security Pack lockout. (S-16753, D-17871)
- **Fixed:** Addressed an issue where the Warlock would not log all events. (D-17608)

7.3.6

Improvements

- **Fixed:** Addressed an issue where the power button would not register a short press. (D-17038)
- **Fixed:** Eliminated signal spikes that would occur in firmware 7.3.3. (D-17035)

7.3.3

Improvements

- **Added:** Support for a new data acquisition device. (TT#20201)

7.2.7

Improvements

- **Added:** A security update to further ensure that your instrument is not susceptible to network-based malware. (TT#19698)

7.2.6

Improvements

- **Added:** Added support for a new single board computer. (TT#18790)

7.2.5

Improvements and Bug Fixes

- **Fixed:** Addressed an issue where the LED Power, Monitor, and FM were incorrect for the high concentration Optilab. (TT#18949)

7.2.4

Improvements and Bug Fixes

- **Added:** The main graph on the front panel now has an auto-scale button. (S-05872)
- **Updated:** The graphs on the front panel automatically scroll when zoomed in if there are more than two hours of data. (S-05590)
- **Updated:** Zeroing the dRI now re-initializes the health indicators. (S-05395)
- **Fixed:** The front panel will now display an alarm for the loss of Fit Peak Lock. (TT#18620)
- **Fixed:** Addressed an issue where the log database can be corrupted when requested by CheckPlus. (D-01505)
- **Fixed:** Addressed an issue where the validation of custom axis scales can be wrong on the front panel when modified. (D-03321)
- **Fixed:** Addressed an issue where the values for parameters on the front panel can display the wrong data. (D-03253)

7.2.2

Initial Release

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Please contact Wyatt Customer Support if you need more information about changes in earlier versions of the firmware.