

HVM200 Version 5.1.1

June 2024

Fixes

1. **WiFi stability** – In WiFi Station mode, on hardware revision B units, the WiFi driver had a rare chance to fault, stop working, and prevent the shutdown process from completing. The unit will still operate and store data without WiFi. This affects all hardware revision B units, Serial Numbers starting at 5000, with firmware versions 5.0.0 and 5.1.0. If the unit is stuck during shutdown, please hold the button for at least 15 seconds or remove the battery.
2. **Overload** – Corrected a minor calculation error (no greater than 0.5dB) when determining the overload point. The overload points now use the hardware calibration values to account for the small variation from unit to unit.

HVM200 Version 5.1.0

April 2024

Fixes

1. **Sensor detection** – A few HVM200 units would erroneously detect a sensor without one connected. This edge condition is now properly recognized as no sensor connected.
2. **Language translations** – Incorrect translations of symbols and abbreviations have been revised.
3. **Interrupted file recovery** – A file left open by improper shut-down or SD Card removal will now be closed with a note, but without a summary, when found during boot. This prevents the need to manually edit the file to be parsed by G4.

HVM200 Version 5.0.0

March 2024

Improvements

1. **Live OBA pages** – Octave band values are now displayed even while stopped.
2. **USB Communication** – Opening the meter in G4 over USB is now 90% faster.

Fixes

3. **Download stability** – Previous firmware would crash and restart during G4 download(s) if the sum of the file sizes exceeded about 30 MB without rebooting the meter. G4 would continue the download after the restart. Upgrading to firmware after 5.0.0 fixes this issue even for all existing files. If the crash happened while running, a corrupted file could be created. The corrupted file cannot be fully recovered.
4. **Missing Cal Check** – “After Measurement” calibration checks will now always be added to files on download. Previous firmware may not always add the “After Measurement” calibration check to the file even if one was performed. Updating to the latest firmware and re-downloading the files will add the “After Measurement” calibration check if one exists post measurement.
5. **Format** – WiFi settings will now remain after performing a Format.
6. **Format and Restore** – Measurement setups, WiFi settings, sensor list, and all data files are now reset on a “Format and Restore”. Previously, G4 would perform a “Format” instead of a “Format and Restore”.

HVM200 Release History



7. **Modified MTVV** – The meter now stores the data to correctly recalculate MTVV when applying offset or exclusion bands. With previous firmware, the modified data could report the MTVV for the whole file. See G4 v5.0.0 release notes for more information.
8. **OBA Unit labels** – OBA data is calculated before integration and weighting. The units on the live OBA page will now always show non-integrated unit labels instead of mistakenly showing integrated units when you set integration to either Single or Double.

HVM200 Hardware Rev B

9. **New WiFi** – Starting in March 2024, shipments of HVM200 units have updated hardware. The newer hardware includes an updated WiFi module with IEEE 802.11 b/g/n support.
10. **Boot time** – The new hardware will boot up to 50% faster than original units.
11. **USB Unplug** – At times, the HVM200 with revision A hardware will turn on when the USB cable is unplugged. This is fixed for HVM200 meters with revision B hardware. Because this is a hardware issue, there is no fix for revision A hardware. For revision A hardware, we recommend using the auto-off feature to prevent batteries going dead.

Known Issues

12. **Calibration Check** – In order to properly perform a calibration check, you must set Integration to None.

HVM200 Version 4.810

December 2022

1. Downloads are more robust with communication validation.
2. If you enter a new line character or other encoded character into the Notes field, the meter and G4 will handle it correctly.
3. In the about page in Live View, the manufacturer date would display incorrectly.

HVM200 Version 4.700

April 2022

1. When upgrading firmware over WiFi the upgrade would fail without warning. Meters with firmware prior to this version should use a USB connection to upgrade. Upgrades after this version will succeed.

HVM200 Version 4.650

November 2021

1. Feature: Added microns (μ) as selectable units. μ/s^2 can have the integration applied to become velocity or displacement.
2. Improved: Sped up the loading of the Live View.
3. Fixed: Issue loading files with post calibration.

HVM200 Version 4.620

May 2021

1. Added feature to improve factory testing.

HVM200 Version 4.600

March 2021

1. Feature: While running, the HVM200 displays live OBA graph at a rate of once per second for each of the three axes.

HVM200 Release History



2. Feature: You can format the user storage Micro SD card in the Meter View -> Maintenance tab.
3. Improved: Notify user that the entered sensor information will not be used if the sensor has TEDS.

HVM200 Version 4.500

May 2020

1. Version has been moved forward to link it with the G4 release
2. Feature: HVM200 Live View and Setup Manager load faster due to compressed files

HVM200 Version 1.810

August 2019

- Bug Fix: Fixed a memory leak which could cause the system to run out of memory when the HVM200 is frequently queried
- Reduced the overall memory usage of the system

HVM200 Version 1.800

June 2019

- Communication with meter from G4 updated for faster connect
- Update to allow language characters to be displayed correctly
- Bug Fix: A failed file system check would cause a message stating that the meter was upgrading

HVM200 Version 1.700

January 2019

- Bug Fix: The measurement properties page could be hidden in Live View if clicked too quickly
- Fixed the Summation values for the Exposure and Action limits for Whole Body when using Edit Bands
- The Run/Stop Icons in upper right corner may be clicked to Stop/Run a measurement in the Live View or in the App
- Fixed issue in Setup Manager so that user can no longer open the Live data by clicking the "Close" button
- The meter will turn on both LEDs on shutdown to help show the meter is shutting down

HVM200 Version 1.600

April 2018

- Finished adding the HVM200 Sensitivity into the setups
- Fixed the HVM200 Scheduling issue to turn back on when scheduled
- The options for Raw and OBA are stored correctly
- Fixed the .raw files not found
- Fixed issue where meter never left pending state

HVM200 Version 1.412

June 2017

- Added Sensitivities to the individual settings files. Users may now store different sensitivities with each settings file.
- TEDS will be indicated in the top bar, see documentation
- Raw files can be downloaded from G4 Meter Manager tab
- Fixed "Set to Active" to work correctly, making changes after the meter has stopped

- Annotations will now be exported with the spreadsheet data

HVM200 Version 1.400

May 2017

- Fixed issue with Schedule not starting the meter if date is too far in the future
- When changing units and integration settings, the meter displays correctly on live view tabs
- Switching between WiFi networks has been improved, fixed issue with scanning networks
- WiFi password entry has been facilitated by displaying the actual entry

HVM200 Version 1.300¹

March 2017

- Fixed warning in adding sensitivities (4827)
- Updated Schedule Tab (4712)
- Improvements to messages on the WiFi page
- Color Themes added for the HVM200 to work in G4
- Ensuring that the HVM200 PC side for Setup Manager would display correctly

HVM200 Version 1.200

November 2016

- Improved the upgrade process
- Improved the chart size and visual improvements for app
- File translation formatting bug fixed
- WiFi has faster connection times and is more stable with better messaging
- Updated Setup WiFi page for better usability
- Cal. Check now correctly sets the meter run state in order to perform check with other corrective behavior
- Settings pages perform better and are integrated in the app
- Navigation pop out menu for Settings, also allow for swiping on Settings pages
- Improved connection over USB
- Fixed bug where sensitivity settings appeared to get overwritten
- Improved battery management and power control

HVM200 Version 1.100

August 2016

- Ability to turn On/Off WiFi
- TEDS support for versions 1.0 and 0.9
- Improvements for Reports
- Ability to configure the Auto-Off feature: Never, 5 Min, or 1 Hour
- USB connectivity issue resolved
- Sum Factor has more precision
- Ability to Set Time from mobile device or from G4
- Annotation Time now based on meter's current time

¹ Note: Numbers in parenthesis such as "(3210)" are an internal tracking number.

HVM200 Version 1.001

- Improvements for Summary printouts
- Fix Sensitivity Sensor table

HVM200 Version 1.0

- First Release



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