

Fluke 1750 Firmware Updater Package Release Notes

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Firmware – Current

Version 23.06

Improved transient capturing – in case of extreme (out of spec) wave shape distortions, the internal file system developed a state that did not allow downloads any more. The 1750 still cannot serve in non-grid applications (e.g. at the output of an VFD), but it will allow reading the data captured. Fixed error with “erase all data” that lead to an issue in the file system, causing the 1750 to stop recording.

Instruments built after Dec 2014 must not be downgraded to a version lower than this, 23.06!

Firmware – History

Version 23.04

Improved manual scaling of voltage channels (bugfix).
Improved unit behavior when connections unexpectedly terminate (orphaned ETH or BT connections can cause the unit to be unavailable for new connections, bugfix).

Version 23.01

Improved version control: firmware checks version codes when updating.
Improved: older units (Zeevo BT) sometimes had the measurement description truncated (bugfix)
Improved behavior of the unit when using a DHCP server that is located in a different net (TTL=32, bugfix).
Improved speed on reading the data overview (index files are kept up to date).
Added feature: collected data is automatically copied to an SD card on insert. Once active, auto-copy can be interrupted using FPV to access the SD card.
Added feature: the unit's assigned IP address (DHCP) will be displayed in FPV.

Version 22.03

Improved PLL control at low input voltages in other than WYE topologies.
Added support for “demand aggregation” in 5-minute intervals, this allows FPA to provide 15minutes aggregation for demand analysis.
Improved Frequency measurement – on rare occasions a too high frequency result was reported (6Hz).
Added support for description of measurements entered in to FPA.
In parallel to FPA, also the Firmware provides IEEE1459.
Improved Flicker calculation at low signal amplitudes.
Comes with upgrade tool 1750Upgrade.exe V1.16.1

Version 21.05

Fixes impulse capturing when running the impulse verification procedure (described in calibration manual).
Fixes display of time stamps of SD card data files shown in FPV.
Provides improved access speed to SD card and internal memory.
Added locking of downgrade attempts to revisions that are too old to support current hardware.
Support of rev 008 of wireless module
Comes with upgrade tool 1750Upgrade.exe V1.16.1

Version 20.02

Improved Ethernet connection stability.
Comes with upgrade tool 1750Upgrade.exe V1.15.4

Version 20.01

Fixes BT connection loss after deleting files from SD card
Fixes corrupt data file written occasionally right after a firmware upgrade; download of measurement data was not possible in that case.
Comes with upgrade tool 1750Upgrade.exe V1.15.4

Version 19.11

fixes issue with year rollover from 2009 to 2010 (19.10 suffered from the y2k16 bug)

Upgrade Tool – Current

1750Upgrade V1.16.2

- Improved version control during update.
- Increased reconnection timeout due to longer version check.

Upgrade Tool – History

1750Upgrade V1.16.1

- Improved data transfer robustness and added integrity check for transferred files.
- Added an error handler for error code “-27” (downgrade rejected) – older revisions of the upgrade tool will display the error code without further information and hang up until a link timeout occurs.
- Improved reconnection after reboot. Occasional error messages when updating with a direct Ethernet connection fixed.

1750Upgrade V1.15.4

- Upgrade tool checks if a SD card is inserted. The user is prompted to remove the SD card and to try it again or to cancel the upgrade.

1750Upgrade V1.15.3

Known issues:

- Selecting a device from the drop down list causes sometimes an error:”Encountered an improper argument” - This error can be ignored. There is no influence on the functionality.
- Inserted SD card during upgrade procedure causes severe troubles in the field and could not be fixed without opening the device.