Fluke 1730 Firmware 1.3 Release Notes

Improvements
- Support of partial averaging intervals added. A logging session starts and stops immediately. Use the scheduled start and stop feature in Logger Setup if the logging needs to start or stop at a full minute or hour.

Known Issues
- Wi-Fi communication: Showing a device in FEA's download list could take up to some minutes because of "Identifying" state of Wi-Fi interface on PC

Fluke 1730 Firmware 1.2.1 Release Notes

Bugfixes

- Fix bug of inaccurate touch panel calibration in firmware version 1.2

Known Issues

- Wi-Fi communication: Showing a device in FEA's download list could take up to some minutes because of "Identifying" state of Wi-Fi interface on PC

Fluke 1730 Firmware 1.2 Release Notes

Improvements

- Power factor presentation:
  PF/DPF numeric values: All numeric PF/DPF values indicate the energy flow direction by their sign (+ = fwd, - = rev). Additionally, live values and min/max values for logged data indicate cap/ind (lead/lag) state by the respective symbol.
  Note: for values =0.00 or =+/-1.00 no symbol is shown
  PF/DPF graphs: Both live trend graph as well as logger graph can be selected to either show energy flow or cap/ind profile by side menu.
- Better vertical alignment of measurement values in many screens
- To make a screenshot the SAVE/ENTER key had to be pressed for ~3 seconds. This time has been reduced to ~2 seconds
- Behavior of the user interface when almost all memory is used was heavily improved
- Touch screen calibration: restart of device is not needed anymore
- TZ update for new Russian time: Crimea switches to Moscow time, Russia returns to Winter time permanently
- Resolution of current and power values increased (e.g. to 10 mA and 10 W respectively when using scaling factors =1.0 and standard accessory - 1500A Flexi current probes)
- Wi-Fi: Add support for Realtek RTL8192CU and D-Link DWA-131 WLAN controller with USB interface

Bugfixes

- Wi-Fi password is shown also after "Reset to factory defaults"
- "Reset to factory defaults" now works again when pressing METER+LOGGER+MEMORY/SETTINGS buttons simultaneously during instrument startup
- VNC (remote control of user interface over Wi-Fi): simulation of hardware keys didn't work in Chinese, Japanese and Korean language
- LOGGER main screen: during a long active session the progress bar didn't show correct progress after some time had elapsed
- LOGGER main screen: when a long measurement was started then no progress was shown for some minutes
- When an invalid start time for a logging session had been configured, the warning screen didn't show the correct time
- PF/DPF min/max presentation in logger graph: min/max values were calculated wrong
- If a (non-active) session that was reviewed on the screen was deleted via FEA , the device's user interface displayed incomplete information
- Stability of communication with FEA via USB cable and Wi-Fi heavily improved
- LOGGER start/end time, duration and averaging interval configuration: some inconsistencies fixed

- Minor issues in Japanese translation fixed
- Aggregated values of interrupted logging session: if only less than 95 % of base values are available, the aggregated values are shown as "-.---".
- Total apparent power of logging session is now calculated according to IEEE-1459 standard

Other

- Wi-Fi communication wasn't mentioned in release notes 1.1. Now USB and WiFi communication with FEA provide the same functionality.
  Details:
  - Download logging sessions
  - Download screenshots
  - Set clock of instrument

Known Issues

- Wi-Fi communication: Showing a device in FEA's download list could take up to some minutes because of "Identifying" state of Wi-Fi interface on PC

Fluke 1730 Firmware 1.1 Release Notes

Improvements

- Aux configuration in Measurement Configuration added
- Japanese language added
- Additional keyboard input methods depending on display language:
    - Chinese - Input method: Pinyin
    - Japanese - Input methods: Hiragana, Katagana and Kanji
    - Korean - Hangul keyboard layout
    - Russian - Russian keyboard layout
- Virtual keyboard: Additional symbols accessible with Shift key
- Support for non-Latin session file names added
- Synchronize with PC clock (requires FEA V1.1)
- Additional screens for Live Power added: Use F4 - Show Menu to select from the list of available screens
- Energy is now available without starting a logging session
- In Live Power use F4 - Show Menu to select kVAh, kWh or kvar
- Download screenshots to Energy Analyze via USB cable
- Delete logging sessions and screenshots remotely from Energy Analyze via USB cable
- Add a warning to confirm when stopping a logging session
- Logging duration can be configured in hours or days
- Set-up of logging session start and end date and time added
- Topologies 3 phase high leg delta and 3 phase delta balanced added
- A power off resets now the phase mapping and current direction to defaults.

Bugfix

- Show P-P chart in 3ph Delta configuration. P-N was shown instead in V1.0