Firmware history

Release Notes PQ1000

CAMILLE BAUER

GMC-INSTRUMENTS GROUP

Version	Change log
V3.18 – 11142 (2024/12/20)	**Fixes** • Analog outputs did not work if inverse characteristic was used • Analog outputs may have short drops
V3.16 – 10900 (2024/07/23)	*For devices using the pulse outputs: After an update to this firmware version, the configuration of the pulse outputs is void and must be done again.* **New features** • Pulse outputs can be set to any pulse rate. **Security upgrades** • Nginx from 1.21.1 to 1.25.3 **Fixes** • Large number of frequency events if used outside the rated frequency range • PQ overview: No graphical display for current harmonics and interharmonics • SFTP configuration menu was present even for device versions without data logger • Time scaling of waveform display could be wrong • In PQ statistic frequency was shown with one decimal place • Option PME: Possible wrong units in CSV export of PME data • CSV data export for 7 days: File was stored in the folder of the first day of the interval rather than the day of the end of the interval, in addition the time range of the file was not visible within the file name and could overwrite daily files with the same content.
V3.13 – 10464 (2024/02/08)	**New features** • Status of time synchronization directly visible via status bar on the device website • PQ and energy management data can be periodically saved in specific CSV file format and downloaded for use with PQIS® software • In the PQ statistic section harmonics and interharmonics of voltages and current can be displayed as daily statistic or as time series • Limit values can now be set also to negative values, e.g. for monitoring power quantities for both import and export • Option PME: Configurable radio channel map **Security upgrades** • OpenSSH from 8.7p1 to 8.9p1 • Host Key Algorithms SSH-RSA and SSH-DSS no longer supported by default, but may be activated if required for SFTP communication **Fixes** • Unreliable meter logger data download via WEB interface if larger time ranges are read • Configuration menu for temperature input settings did not work properly • In units of digital input meters the time factor (h) was missing • Option PME: Automatic adjustment of radio transmission power did not work • Option PME: Current IN calculated if measuring in a 4-wire network using 3-phase modules • Option PME: Improved battery load level estimation

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V3.10 – 9665 (2023/08/30)	**New features** • Support for option PME central unit **Fixes** • The list of CSV files created via data export scheduler could no longer be displayed via device website when too may files were stored in the device. The storage of the files and the export capability to SFTP servers were not affected. • U_{NE} and I_N are not calculated • Possible settings values for limits were restricted to a maximum of 100'000'000, now changed to 10'000'000'000.
V3.08 – 9533 (2023/04/20)	**Fixes** • IEEE519: Missing data reported although all values were present • IEEE519: Wrong assessment of 3 sec. voltage harmonics if rated voltage ≥1kV • IEC61000-2-4 class 3: Wrong limit value for 15th voltage harmonic
V3.06 – 9366 (2023/02/23)	**Fixes** • Setting of meter contents did not work properly • Reset of meter contents in case of overflow • Backward compatibility to older hardware versions of the device
V3.05 – 9108 (2022/11/23)	**New features** • Zoom functionality in PQ daily statistics • Improved graphical representation of PQ statistic overview including mouse-over functionality **Security upgrades** • Nginx from 1.16.0 to 1.21.1 • OpenSSH from 8.2p1 to 8.7p1 **Fixes** • Improved error reporting for SFTP communication test function • SFTP server export not possible if file names contain UTF8 characters • Wrong maximum values for THD_U • Setting parameter for homopolar voltage measurement not available • Wrong time stamps in CSV export of waveform display data • Delayed entries to alarm and event list • New Audit log entry when pending SFTP file exports complete • Reset of min/max values via Modbus coils did not work • Activation of whitelist blocks Modbus/TCP communication • Missing data in meter logger if 1 min. interval is used
V2.05 – 8160 (2022/03/02)	*Once installed, it is not possible to return to an older firmware version* **Fixes** • In rare cases an Ethernet interface connection could not be established after a factory reset or device restart • Password length for SFTP server access was limited to 12 characters • Configuration parameter for maximum load current (for scaling of TDD values) not available via menu • RCM channels and temperature sensor types could not be activated via on-site display

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V2.04 – 7857 (2021/12/07)	***This is a crucial update for the long-term stability improvement of the device. Once installed, it is not possible to return to an older version of the firmware.*** **New features** • Support for Unicode characters (UTF8) in all user-defined event and description texts. These texts are used in event lists, for PQ reporting and as part of the CSV and PQDIF file names. **Fixes** • Missing scaling for current harmonics / interharmonics in PQ daily statistic • Wrong storage path for local storage of CSV data files. Files stored in the wrong directory will be transferred to the correct folder. • Crash of WEB-GUI when displaying mains signaling events • U_{NE} could not be displayed in event samples visualization • Fault current module configuration not protected via RBAC • PQ event list display could be different for local and WEB-GUI • Via local display input values in analog output configuration had to be entered in basic units rather than the displayed unit • Event state in status bar was not reset if event duration was longer than 3 minutes • Devices with RCM get stuck after a certain period of time
V2.03 – 7001 (2021/06/11)	Official product release of LINAX PQ1000, power quality analyzer class S, according IEC61000-4-30 Ed.3