

Firmware history

Release Notes PQ5000-RACK



GMC INSTRUMENTS

Camille Bauer Metrawatt AG

Aargauerstrasse 7

CH-5610 Wohlen / Schweiz

Telefon: +41 56 618 21 11

Telefax: +41 56 618 35 35

E-Mail: info@cbrmag.com

<https://www.camillebauer.com>

 **CAMILLE BAUER**
GMC-INSTRUMENTS GROUP

Version	Change log
V3.20 – 11613 (2025/09/04)	Security upgrades <ul style="list-style-type: none"> Improvements for RED directive (EN 18031-1) compliance ... <ul style="list-style-type: none"> https and RBAC activated by default Enforced password change on first device startup SSH access disabled Fixes <ul style="list-style-type: none"> For devices with option PME: x-axis of mean values displayed with UNIX timestamp PQ EasyReport: Incorrect evaluation of harmonics if self-defined limit values are used Setting time via local display
V3.19 – 11284 (2025/06/03)	New features <ul style="list-style-type: none"> Certificate store for the management of security certificates Triggering fault recording by changing status of digital inputs Security upgrades <ul style="list-style-type: none"> OpenSSH update (CVE-2025-26466, CVE-2025-26465) nginx update (CVE-2024-7347-1, CVE-2024-7347-2) Fixes <ul style="list-style-type: none"> Missing samples in recorded PQ-events CSV generator <ul style="list-style-type: none"> missing headers no intervals shorter than one day possible possible stop of periodic CSV generation Inconsistent time in PQDIF download dialog if time zone of device and PC are different Creation of user-defined limit values may fail
V3.18 – 11142 (2024/12/20)	Fixes <ul style="list-style-type: none"> Analog outputs did not work if inverse characteristic was used Analog outputs may have short drops
V3.16 – 10900 (2024/07/23)	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <i>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.</i> </div> New features <ul style="list-style-type: none"> Pulse outputs can be set to any pulse rate. Security upgrades <ul style="list-style-type: none"> Nginx from 1.21.1 to 1.25.3 Fixes <ul style="list-style-type: none"> Large number of frequency events if used outside the rated frequency range PQ overview: No graphical display for current harmonics and interharmonics PQ5000R: Meter reset and meter contents locked after FW update if tariff switching was active 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 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.

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V3.13 – 10464 (2024/02/08)	<p>New features</p> <ul style="list-style-type: none"> • 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 • Support for logging digital input states during events • Digital input states can be used in monitoring functions or as input for operating hour counters • Limit values can now be set also to negative values, e.g. for monitoring power quantities for both import and export <p>Security upgrades</p> <ul style="list-style-type: none"> • 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 <p>Fixes</p> <ul style="list-style-type: none"> • Unreliable meter logger data download via WEB interface if larger time ranges are read • Configuration menu for temperature input settings did not work properly
V3.08 – 9533 (2023/04/20)	<p>Fixes</p> <ul style="list-style-type: none"> • IEEE519: Missing data reported although all values were present • IEEE519: Wrong assessment of 3 sec. voltage harmonics if rated voltage $\geq 1\text{kV}$ • IEC 61000-2-4 class 3: Wrong limit value for 15th voltage harmonic
V3.06 – 9366 (2023/02/23)	<p>Fixes</p> <ul style="list-style-type: none"> • Setting of meter contents did not work properly • Reset of meter contents in case of overflow
V3.05 – 9108 (2022/11/23)	<p>New features</p> <ul style="list-style-type: none"> • Zoom functionality in PQ daily statistics • Improved graphical representation of PQ statistic overview including mouse-over functionality <p>Security upgrades</p> <ul style="list-style-type: none"> • Nginx from 1.16.0 to 1.21.1 • OpenSSH from 8.2p1 to 8.7p1 <p>Fixes</p> <ul style="list-style-type: none"> • 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)	Official product release of LINAX PQ5000-RACK