Certificate of Conformity No 213-02730

Object	**Multifunctional Power Quality Analyzer** **Camille Bauer LINAX PQ1000** Product classification: PQI-S-FI1
Applicant	**Camille Bauer Metrawatt AG** Aargauerstrasse 7 5610 Wohlen Switzerland
Requirements	Certification IEC 61000-4-30:2015+AMD1:2021, Class S Testing according to IEC 62586-2:2017+AMD1:2021 (functional tests)
Confirmation	See page 2
Date of Examination	22 April to 30 September 2024

3003 Bern-Wabern, 23 October 2024

For the Examination	Christian Santschi
Approved by	Dr Cédric Blaser, Head of Laboratory Laboratory Electrical Energy and Power

Digital unterschrieben von Christian Santschi
Datum: 2024.10.23 15:43:28 +02'00'

Signature numérique de Cédric Blaser
Date : 2024.10.23 17:13:03 +02'00'

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Type description

Type ..... Camille Bauer LINAX PQ1000
Device version ..... LINAX PQ1000-xxxx xx0
Classification ..... PQI-S-FI1 as per IEC 62586-1:2017
Class S
Fixed Installed
Indoor application
EMC environment G
Number of phases 3
Connection to power lines..... 3P+N (4 wires)
Declared input voltage (U_{din}) ..... 230 V (50 Hz), 120 V (60 Hz)
Nominal value of current input (I_n)..... 5 A
Fundamental frequency (f_n)..... 50 Hz, 60 Hz
Hardware version..... C
Firmware version 3.14.10964
Evaluation software ..... Web interface and PQx000_CSV_Generator_1.0

Conformity assessment against IEC 62586-2:2017+AMD1:2021

Power quality parameter	Sub-clause	Compliance 230 V / 5 A ; 50 Hz	Compliance 120 V / 5 A ; 60 Hz
Power frequency	7.1	Yes	Yes
Magnitude of supply voltage	7.2	Yes	Yes
Flicker, class F1	7.3	Not implemented	
Supply voltage interruptions, dips and swells	7.4	Yes	Yes
Supply voltage unbalance	7.5	Yes	Yes
Voltage harmonics	7.6	Yes [1]	Yes [1]
Voltage interharmonics	7.7	Not implemented	
Mains signalling voltages on the supply voltage	7.8	Not implemented	
Measurement of under-deviation and over-deviation parameters	7.9	Not implemented	
Flagging	7.10	Not implemented	
Clock uncertainty testing	7.11	Yes	Yes
Variations due to external influence quantities	7.12	Yes	Yes
Rapid voltage changes (RVC)	7.13	Not implemented	
Magnitude of current	7.14	Yes	Yes
Harmonic current	7.15	Yes [1, 2]	Yes [1, 2]
Interharmonic currents	7.16	Not implemented	
Current unbalance	7.17	Yes	Yes
Calculation of measurement uncertainty and operating uncertainty	8	Yes	Yes

[1] No anti-aliasing filter implemented.
[2] Limited to crest factor 2.

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Test reports

Topic	Issuing Laboratory	Report number	Report date
Power quality parameter	METAS	213-02732	2024-10-09

Full name and addresses of issuing laboratories

- Federal Institute of Metrology METAS, Lindenweg 50, 3003 Bern-Wabern, Switzerland

Note

The Federal Institute of Metrology (METAS) is Switzerland's national metrology institute.

Its tasks and activities arise from the Federal Law on the Institute of Metrology and the Federal Law on Metrology and its implementation provisions. METAS's principal tasks include making available the internationally recognized units of measurement in compliance with the International System of Units (SI), comparing them with other national metrology institutes and disseminating them.

METAS thus plays the leading role in the Swiss metrological infrastructure and ensures the traceability of measurement results in legal metrology, at accredited calibration and test laboratories and laboratories in industry, research and administration through the accuracy and reliability of its services.

METAS operates a comprehensive quality management system covering the entire scope of activities in the metrology area. The METAS management system satisfies the statutory requirements and the general requirements for the competence of testing and calibration laboratories defined in standard ISO/IEC 17025:2017 in their entirety. Therefore, results from METAS provide traceability as required by ISO/IEC 17025:2017 subclause A.3.1.