

Certificate of Conformity No 213-01983

Object	Power quality instrument a-eberle PQ-Box 50 Product classification: PQI-A-PO-H			
Applicant	A. Eberle GmbH & Co. KG Frankenstraße 160 90461 Nürnberg Germany			
Requirements	Certification IEC 61000-4-30:2015, class A Testing according to IEC 62586-2:2017			
Confirmation	See page 2			
Date of Examination	8 June 2020 to 10 November 2020			
3003 Bern-Wabern, 11 November 2020				
For the Examination	Christian Santschi			
Approved by	Dr Cédric Blaser, Head of Laboratory Laboratory Electrical Energy and Power			

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Type description

Type Classification	PQI-A-PO-H as per IEC 62586-1:2017 Class A Portable Outdoor application
	EMC environment H
Number of phases	3
Connection to power lines	3P+N
Declared input voltage (U _{din})	230 V
Nominal value of current input (In)	10 A
Fundamental frequency (f _n)	. 50 Hz
Hardware version	151.0312 V1
Firmware version	. V4.201, release date 29.10.2020
	WinPQ mobile V4.3.6.9, V4.9.101.0-BETA for flagging

Conformity	/ assessment against	t IEC 62586-2:2017	' based on Test Rep	ort No 213-01982
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Power quality parameter	Subclause	Compliance 230 V / 10 A – 50 Hz
Power frequency	6.1	Yes
Magnitude of supply voltage	6.2	Yes
Flicker, class F1 (230 V / 50 Hz)	6.3	Yes
Supply voltage interruptions, dips and swells	6.4	Yes
Supply voltage unbalance	6.5	Yes
Voltage harmonics	6.6	Yes
Voltage interharmonics	6.7	Yes
Mains signalling voltages on the supply voltage	6.8	Yes
Measurement of underdeviation and overdeviation parameters	6.9	Yes
Flagging	6.10	Yes
Clock uncertainty testing	6.11	Yes
Variations due to external influence quantities	6.12	Yes
Rapid voltage changes (RVC)	6.13	Yes
Magnitude of current	6.14	Yes
Harmonic current	6.15	Yes
Interharmonic currents	6.16	Yes
Current unbalance	6.17	Yes
Calculation of measurement uncertainty and operating uncertainty	8	Yes

Note

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