



Certificate of Conformity No 213-01857

<i>Object</i>	Combined power quality and energy monitoring device Dranetz PQ3K/PQ5K
<i>Applicant</i>	Dranetz Technologies 1000 New Durham Road Edison, New Jersey 08817 USA
<i>Requirements</i>	Certification IEC 61000-4-30:2015 (Ed. 3.0) class A Testing according to IEC 62586-2:2017 (Ed. 2.0)
<i>Confirmation</i>	See page 2

3003 Bern-Wabern, 8 October 2019

For the Examination Jean-Pierre Braun

Approved by Dr. Cédric Blaser, Head of Laboratory

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Type Description

Type Dranetz PQ3K/PQ5K
Classification PQI-A-FI2 as per IEC 62586-1:2017 (Ed. 2.0)
Mode of connection Direct or transformer operated instrument
Number of phases 3
Connection to power lines..... 3P+N
Maximum voltage..... 480 V
Maximum current 7.5 A
Frequency..... 50 Hz, 60 Hz
Hardware version..... C
Firmware version 1.06-2197 for PQ3K, 1.03-2917 for PQ5K

Conformity assessment against IEC 62586-2:2017 (Ed. 2.0)

Power Quality Parameter	Subclause	Compliance	
		120 V - 60 Hz	230 V - 50 Hz
Power frequency	6.1	Yes	Yes
Magnitude of supply voltage	6.2	Yes	Yes
Flicker	6.3	Yes	Yes
Supply voltage interruptions, dips and swells	6.4	Yes	Yes
Supply voltage unbalance	6.5	Yes	Yes
Voltage harmonics	6.6	Yes	Yes
Voltage interharmonics	6.7	Yes	Yes
Mains signaling voltage on the supply voltage	6.8	Yes	Yes
Measurement of underdeviation and overdeviation parameters	6.9	Yes	Yes
Flagging	6.10	Yes	Yes
Clock uncertainty	6.11	Yes	Yes
Variations due to external influence quantities	6.12	Yes	Yes
Rapid voltage changes (RVC)	6.13	Yes	Yes
Magnitude of current	6.14	Yes	Yes
Harmonic current	6.15	Yes	Yes
Interharmonic current	6.16	Yes	Yes
Current unbalance	6.17	Yes	Yes