
IEC 61000-4-30 Edition 3 (2015)

Declaration Of Conformity

Date of Issue: December 2, 2019
Manufacturer: Dranetz, 1000 New Durham Road
Edison, NJ 08818-4019, USA

Tests Performed in accordance with:

IEC 61000-4-30 Ed.3 (2015) Electromagnetic Compatibility (EMC) – Part 4-30
Power Quality Measurement Methods
IEC 62586-2 Ed.2 (2017): Power Quality Measurement in Power Supply Systems – Part 2
Functional Tests and Uncertainty Requirements

Model Tested: Dranetz HDPQ Xplorer

Characteristics of Device ⁽¹⁾:

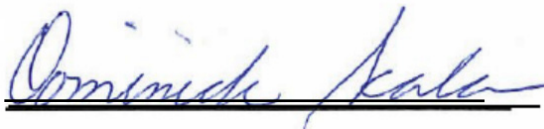
Temperature: Rated Range of operation: 0°C to +50°C
Power Supply Range: 90-250VAC, 50Hz
Frequency nominal: 50 Hz
Environmental: Fixed (F), Indoor (I)

Compliant Models:

Compliance to IEC 61000-4-30, Ed 3 (2015) Class A requirements are for the following models on the basis of similar in construction.

Firmware	V2.4.31 or newer
HDPQ ⁽²⁾	Xplorer, Xplorer 400, Guide, Visa
Mavowatt ⁽²⁾	230, 240, 270, 270-400

Signed:



Signatory: Dominick Scala
Engineering Product Support Manager
Dranetz



This certificate declares that the described equipment conforms to the applicable requirements of IEC 61000-4-30 Edition 3 (2015) Class A and was tested to 62586-2 Edition 2, (2017) .

⁽¹⁾ Dranetz recommends annual instrument calibration
⁽²⁾ Applies to instrument hardware revision J or newer

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Power Quality Class A Functions Tested:

The equipment under test conforms to the requirements for a Class A instrument.

IEC 62586-2 Clause	Test Description
6.1	Power Frequency – 50 Hz
6.2	Magnitude of supply voltage
6.3	Flicker - Class F3, 120V & 230V, 50 Hz
6.4	Supply Voltage Interruptions – dips & swells, 50 Hz
6.5	Supply Voltage Unbalance
6.6	Voltage Harmonics
6.7	Voltage Interharmonics
6.8	Mains Signaling Voltages on the supply voltage - Method 1
6.10	Flagging
6.11	Clock Uncertainty Testing
6.12	Variations of External Influence Quantities
6.13	Rapid Voltage Changes (RVC)
6.14	Magnitude of Current
6.15	Harmonic Current
6.16	Interharmonic Current
6.17	Current Unbalance

Notes:

6.4 Sliding Reference tests A4.1.6 & A4.1.7 (Optional) – Not Implemented

6.9 Undeviation and Overdeviation tests (Optional) – Not Implemented

Test Report: December 2, 2019 - Report Number 899277, Rev A

Additional Standards relevant to testing:

IEC 61000-4-15 (2010)	Electromagnetic Compatibility (EMC) – Part 4-15 Flickermeter – Functional and Design Specifications
IEC 61000-4-7 (2002):	Electromagnetic Compatibility (EMC) – Part 4-7 Guide on Harmonics & Interharmonics Measurements
IEC 61000-2-4 (2002):	Electromagnetic Compatibility (EMC) – Part 2-4 Compatibility levels for low frequency conducted disturbances
IEC 62586-1 (2013):	Power Quality Measurement in Power Supply Systems Part 1: Power Quality Instruments