

Issued by : NMI Certin B.V.
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Applicant : Schneider Electric dba Power Measurement Ltd.
2195 Keating Cross Road
Saanichton, BC V8M 2A5
Canada

Submitted : **A meter embedding IEC 61000-4-30 class S Power Quality functions**

Manufacturer : Schneider Electric
Type : PowerLogic PM8000

Characteristics : See page 2 and further

In accordance with : **IEC 61000-4-30 Ed. 2 (2008)**
"Electromagnetic Compatibility (EMC) – Part 4-30: Testing and measurement techniques – Power quality measurement methods"
IEC 62586-2 Ed. 1 (2013)
"Power quality measurement in power supply systems – Part 2: Functional tests and uncertainty requirements"

Measurement class : IEC 61000-4-30 class S

The undersigned declares that the described product is tested according to the above mentioned standard and meet their requirements, based on a non-recurrent examination. The appertaining test data is presented in type evaluation report number NMI-15200734-01 granted by NMI Certin B.V.

NMI Certin B.V.
23 December 2016



C. Oosterman
Head Certification Board

IEC 61000-4-30 Power Quality functions tested

The following IEC 61000-4-30 measurement methods have been tested:

Table 1 IEC 61000-4-30 Power Quality functions tested

IEC 62586-2 Clause	Parameter	IEC 61000-4-30 class	Comments
7.1	Power frequency	S	50 and 60 Hz
7.2	Magnitude of the supply voltage	S	
7.3	Flicker	----	Not implemented
7.4	Supply voltage interruptions, dips and swells	S	
7.5	Supply voltage unbalance	S	
7.6	Voltage harmonics	S	
7.7	Voltage inter-harmonics	----	
7.8	Mains signalling voltages on the voltage supply	----	Not implemented
7.9	Measurement of underdeviation and overdeviation parameters	----	Not implemented
7.10	Flagging	S	
7.11	Clock uncertainty testing	S	
7.12	Variation of external influence quantities	S	Temperature: -25°C .. +70°C Power supply: 90 – 415 VAC 120 – 300 VDC
8	Measurement uncertainty and operating uncertainty	S	

A: compliance with class A S: compliance with class S ----: Not implemented

The tests are performed in accordance with IEC 62586-2 edition 1

Characteristics of the measuring instrument

In Table 2 the general characteristics of the measuring instrument are presented.

Table 2 General characteristics

U_{din}	230 V _{LN}
f_{nom}	50 Hz and 60 Hz
Temperature	Rated range of operation: -25°C to +70°C
Power supply range	90 – 415 VAC (+/- 10%), 50/60 Hz 120 – 300 VDC (+/- 10%), 45 VA / 20 W
Software version	001.000.057
Hardware version	METSEPM8240 DIN96 panel mount meter METSEPM8243 DIN rail mount meter
Environmental application	Fixed (F), Indoor (I)