

COMPLIANCE TEST ACCORDING TO IEC 61000-4-30 Ed.3 (2015)

PQ-Box 300

Measurement accuracy and measurement methods for the following quantities were tested on conformity with IEC 61000-4-30 Ed.3 (2015). This includes all tests as required by IEC 62586-2 Ed.2 (2017) and specific additional tests.

Power Quality Parameter	Class A Compliance
Power frequency	Yes
Magnitude of supply voltage	Yes
Flicker	Yes
Voltage interruptions, dips and swells	Yes
Supply voltage unbalance	Yes
Voltage harmonics	Yes
Voltage interharmonics	Yes
Mains signalling	Yes
Flagging	Yes
Clock uncertainty	Yes
Variations due to external influence quantities	Yes
Magnitude of current	Yes
Current harmonics	Yes
Current interharmonics	Yes



One sample of PQ-Box 200 with serial "1643-108" and firmware "MCU V3.009" was tested, the manufacturer states that this sample is representative of the PQ-Box 300 series. The device was tested with a declared input voltage and current of $U_{din} = 230 \text{ V}$ and $I_{nom} = 20 \text{ A}$ and a nominal frequency of $f_{nom} = 50 \text{ Hz}$.

The external clock synchronization was performed with an external GPS-clock (11.9024.45). The current measurement was performed with current clamps (111.7015)

Tested by

Reviewed by:

Confirmed by

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