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IEC Class 0,2 S Accuracy Certificate

Power Sensors Ltd. PQube® 3 AC Analyzer

IEC 62053-22, Section 8 (accuracy requirements)

Equipment Under Test was equipped with the following accessories or options:
CTI-5A current module and PM1 power supply module
Certified at 230V L-N, 50 Hz, 5A rated current

IEC 62053-22 Section	Test	Result
8.1	Variation of current with balanced load (positive energy flow)	Pass
8.1	Variation of current with balanced load (negative energy flow)	Pass
8.1	Variation of current with single-phase load (positive energy flow)	Pass
8.1	Variation of current with single-phase load (negative energy flow)	Pass
8.1	Difference in error between single-phase load and balanced polyphase load	Pass
8.2	Influence quantity: ambient temperature	Pass
8.2	Influence quantity: voltage variation	Pass
8.2	Influence quantity: frequency variation	Pass
8.2	Influence quantity: reversed phase sequence	Pass
8.2	Influence quantity: auxiliary voltage (does not apply to EUT)	Pass
8.2	Influence quantity: harmonic components	Pass
8.2	Influence quantity: sub-harmonics	Pass
8.2	Influence quantity: magnetic induction (dc)	Pass
8.2	Influence quantity: magnetic induction (ac)	Pass
8.2	Influence quantity: electromagnetic RF fields	Pass
8.2	Influence quantity: operation of accessories (does not apply to EUT)	Pass
8.2	Influence quantity: conducted disturbances	Pass
8.3.1	Initial start-up	Pass
8.3.2	No-load condition	Pass
8.3.3	Starting	Pass
8.4	Meter constant (does not apply to EUT)	Pass

Tests were performed on a single sample of PSL PQube® 3 AC Analyzer, S/N P3001592. Manufacturer states that the tested sample is representative of Model PQube® 3. Contact the manufacturer for further information regarding Section 8.2 fast transient burst and damped oscillatory waves immunity.

This Class 0,2 S Accuracy Certificate summarizes the results of the PSL IEC Class 0,2 S Accuracy Compliance Report, document #PSL IEC 62053-22 Ed 1 Test Report – PQube 3, dated 12 May 2015.



PSL PQube® 3 AC Analyzer

Signed: *Matthew Muh*

Name: Matthew Muh
Title: Senior Engineer, Power Standards Lab
Date: 12 May 2015