



Dutch
Metrology
Institute

Facts Sheet Interlaboratory Comparison

Resistance - GOhm

Visiting & Shipping Address:

VSL
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Coordinator:

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Information about the artifact to be circulated:

Keithley 6517B Electrometer/High Resistance Meter with accessories

Calibration points:

10 MOhm, 1 GOhm and 100 GOhm

Reference laboratory:

VSL, the Dutch National Metrology institute (international traceability of the reference values to the Primary Quantum Hall resistance standard is guaranteed)

Estimate number of participants:

Minimum number of participants: 5

Measurements protocol:

Will be provided with the artifact; participants have two weeks to perform the calibration

Fee:

€ 2 795.00 (ex. VAT & transport)

Evaluation:

Evaluation by E_n value.

All participants will receive a evaluation report of the interlaboratory comparison.

Accreditation:

The organisation of this Interlaboratory Comparison is in accordance with the requirements of the ISO/IEC-17043:2010 standard.

Confidential statement:

"VSL keeps all data regarding the performance of individual participants, or groups of participants, strictly confidential. Data is accordingly protected and stored in areas on networks with restricted access. The relationship between results and the laboratories that submitted them will never be disclosed. Only the laboratory is granted access to its performance through the assigned code number."

Schedule:

The ILC starts when 5 participants have signed up.

Estimated time schedule is 24 weeks (including reporting)

Requirement 7.7.2 ISO/IEC 17025:2017

The laboratory shall monitor its performance by comparison with results of other laboratories, where available and appropriate. This monitoring shall be planned and reviewed and shall include, but not be limited to, either or both of the following:

- a) participation in proficiency testing; b) participation in interlaboratory comparisons other than proficiency testing.