



Dutch  
Metrology  
Institute

# Facts Sheet Interlaboratory Comparison

## Electric temperature simulator – Round 1

**Visiting Address:**

VSL  
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**Coordinator:**

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**Information about the artefact to be circulated:**

Beamex MC2-TE

**Quantities to be measured**

Resistance measurement and simulation for Pt100 at -200 °C, 0 °C, 100 °C, 500 °C and 850 °C.  
Resistance measurement and simulation for thermocouple Type K at -200 °C, 0 °C, 500 °C, 1000 °C and 1370 °C.

**Reference laboratory:**

VSL, the Dutch National Metrology institute (traceability of the reference values is guaranteed)

**Estimate number of participants:**

5 to 10

**Measurements protocol:**

Will be provided with the artefact, participants has two weeks to perform the calibration

**Fee:**

€ 795.00 (ex. VAT & transport)

**Evaluation:**

Evaluation by  $E_n$  value.

All participants will receive a report and certificate of the interlaboratory comparison within two months after ending the comparison cycle.

**Accreditation:**

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

**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:**

Registration until 1 December 2016

Estimated start of the comparison cycle December 2016

Estimated end of the comparison is May 2017

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**Requirement 5.9 ISO/IEC 17025:**

*Assuring quality of testing and calibration results:* The laboratory will have quality control procedures for monitoring test validity and calibrations undertaken. This monitoring will be planned and validated and may include the following: *participation in interlaboratory comparisons or proficiency-testing programmes.*