



Fact Sheet Interlaboratory Comparison

Calibration of a Multifunctional Calibrator

PT organization:

VSL
Thijssseweg 11
2629 JA Delft
The Netherlands

Coordinator:

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Selection of participants:

Only available for Dutch Laboratories

Information about the artifact to be circulated:

Fluke 5522A, Multi-Product Calibrator

Calibration points:

DC - V	200 mV;	2 V;	20 V;	200 V;	1000 V.
DC - I	100 μ A;	200 μ A;	10 A.		
R	1 Ω ;	10 Ω ;	100 Ω ;	100 k Ω ;	100 M Ω .
AC - V	20 mV @53 Hz;	200 mV @53 Hz;	200 mV @100 kHz;	2 V @53 Hz;	
	2 V @ 100 kHz	200 V @50 Hz;	1000 V @53 Hz.		
AC - I	200 μ A @40 Hz;	20 mA @40 Hz;	20 mA @10 kHz;	10 A @40 Hz.	
Capacity	1 nF;	10 nF;	100 nF;	1 μ F	@1 kHz.
Frequency	90 Hz;	1 kHz;	100 kHz	@10 V.	

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:

€ 4 200.00 (ex. VAT & transport)

Evaluation:

Evaluation by E_n number.

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)