

Calibration and Measurement Capability (CMC)

Alternating and direct current laboratory															
<u>Calibration or Measurement Service</u>			<u>Measurand Level or Range</u>			<u>Measurement Conditions/Independent Variable</u>		<u>Expanded Uncertainty</u>					<u>Reference Standard used in calibration</u>		<u>Service Identifier</u>
<u>Quantity/ Class</u>	<u>Instrument or Artifact</u>	<u>Instrument Type or Method</u>	<u>Minimum value</u>	<u>Maximum value</u>	<u>Units</u>	<u>Parameter</u>	<u>Specifications</u>	<u>Value</u>	<u>Units</u>	<u>Coverage Factor</u>	<u>Level of Confidence</u>	<u>Is the expanded uncertainty a relative one?</u>	<u>Standard</u>	<u>Source of traceability</u>	
AC current: sources	Multifunction calibrator	Direct comparison	2,2	20	A	Temperature	23.0 °C	1.4E-2 a 5.6E-2	A	2	95,45%	No	Multimeter	CENAM - METAS	INM-L03-35
						Frequency	50 Hz a 5 kHz								
AC current: meters	Multimeter	Direct measurement using a characterized calibrator	2,2	20	A	Temperature	23.0 °C	1.3E-2 a 2.3E-2	A	2	95,45%	No	Calibrator	CENAM - METAS	INM-L03-36
						Frequency	50 Hz a 5 kHz								
AC current: sources	Multifunction calibrator	Substitution	2,2	20	A	Temperature	23.0 °C	1.3E-2 a 4.8E-2	A	2	95,45%	No	Characterized Calibrator & Multimeter	CENAM - METAS	INM-L03-37
						Frequency	50 Hz a 5 kHz								

Last updated: 2026-01-21