Instituto Nacional de Metrología de Colombia

Calibration and Measurement Capability (CMC)

Alternating and direct current laboratory

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

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