



SCS Directory

Accreditation number: SCS 0142

International standard: ISO/IEC 17025:2017
Swiss standard: SN EN ISO/IEC 17025:2018

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Initial accreditation: 24.09.2015
Current accreditation: 24.09.2020 to 23.09.2025
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 06.02.2024

Calibration laboratory for electrical quantities

Calibration and Measurement Capability (CMC)

Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Capability \pm ¹⁾	Remarks
Calibration of instrument transformers				Product standard
Current transformer	1 A \leq I _{pr} \leq 50 kA 1 A \leq I _{pr} \leq 2 kA I _{sr} : 1 A or 5 A	50 / 60 Hz 16 2/3 Hz	I _{pr} > 5 % [0.016 % / 1.5 min] I _{pr} < 5 % [0.056 % / 3.4 min]	IEC 61869-1 IEC 61869-2 EN 61869-1 EN 61869-2 IEEE C57.13 IEEE C57.13.5 CAN/CSA-61869-1 CAN/CSA-61869-2 AS 61869.1 AS 61869.2 ABNT NBR IEC 61869-1 ABNT NBR IEC 61869-2



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Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Capability \pm ¹⁾	Remarks
Inductive Voltage transformer	1 V \leq Upr \leq 500 kV	50 / 60 Hz	Upr > 5 % [0.010 % / 0.5 min]	IEC 61869-1 IEC 61869-3
	1 V \leq Upr \leq 66 kV Usr: 100V;100V/ $\sqrt{3}$;100V/3 110V;110V/ $\sqrt{3}$;110V/3 120V;120V/ $\sqrt{3}$;120V/3 200V;200V/ $\sqrt{3}$;200V/3	16 2/3 Hz	Upr \leq 5 % [0.040 % / 1 min]	EN 61869-1 EN 61869-3 IEEE C57.13 IEEE C57.13.5 CAN/CSA-61869-3 AS 61869.1 AS 61869.3 ABNT NBR IEC 61869-1 ABNT NBR IEC 61869-3
Combined transformer	1 A \leq Ipr \leq 50 kA	50 / 60 Hz	Ipr > 5 % [0.016 % / 1.5 min]	IEC 61869-1 IEC 61869-4
	1 A \leq Ipr \leq 2 kA Isr: 1 A or 5 A	16 2/3 Hz	Ipr < 5 % [0.056 % / 3.4 min]	EN 61869-1 EN 61869-4 IEEE C57.13 IEEE C57.13.5
	1 V \leq Upr \leq 500 kV	50 / 60 Hz	Upr > 5 % [0.010 % / 0.5 min]	CAN/CSA-61869-1 CAN/CSA 61869-4
	1 V \leq Upr \leq 66 kV Usr: 100V;100V/ $\sqrt{3}$;100V/3 110V;110V/ $\sqrt{3}$;110V/3 120V;120V/ $\sqrt{3}$;120V/3 200V;200V/ $\sqrt{3}$;200V/3	16 2/3 Hz	Upr \leq 5 % [0.040 % / 1 min]	AS 61869.1 AS 61869.4 ABNT NBR IEC 61869-1 ABNT NBR IEC 61869-4
Capacitor Voltage transformer	1 V \leq Upr \leq 500 kV	50 / 60 Hz	Upr > 5 % [0.010 % / 0.5 min]	IEC 61869-1 IEC 61869-5
	Usr: 100V;100V/ $\sqrt{3}$;100V/3 110V;110V/ $\sqrt{3}$;110V/3 120V;120V/ $\sqrt{3}$;120V/3 200V;200V/ $\sqrt{3}$;200V/3		Upr \leq 5 % [0.040 % / 1 min]	EN 61869-1 EN 61869-5 ANSI C93.1 CAN/CSA 61869-1 CAN/CSA-61869-5 AS 61869.1 AS 61869.5 ABNT NBR IEC 61869-1 ABNT NBR IEC 61869-5
Resistive Capacitive Divider	1 V \leq Upr \leq 500 kV Usr: 100V;100V/ $\sqrt{3}$;100V/3 110V;110V/ $\sqrt{3}$;110V/3 120V;120V/ $\sqrt{3}$;120V/3 200V;200V/ $\sqrt{3}$;200V/3	50 / 60 Hz	Upr > 5 % [0.020 % / 2.0 min] Upr \leq 5 % [0.040 % / 4.0 min]	IEC 61869-1 IEC 61869-6 IEC 61869-11

In case of contradictions in the language versions of the directories, the German version shall apply.

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