



SCS Directory

Accreditation number: SCS 0142

International standard: ISO/IEC 17025:2005
Swiss standard: SN EN ISO/IEC 17025:2005

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Initial accreditation: 24.09.2015
Current accreditation: 24.09.2015 to 23.09.2020
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 24.09.2015

Calibration laboratory for accuracy calibration of instrument transformers

Calibration and Measurement Capability (CMC)

Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Capability \pm ¹⁾	Remarks
Accuracy-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 CAN/CSA-C60044-1 CAN/CSA-C60044-6 AS 60044.1 ABNT NBR 6821 ABNT NBR 6856



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Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Capability \pm ¹⁾	Remarks
Inductive Voltage transformer	$1 \text{ V} \leq U_{pr} \leq 280 \text{ kV}$	50 / 60 Hz	$U_{pr} > 5 \%$ [0.010 % / 0.5 min]	IEC 61869-1 IEC 61869-3 EN 61869-1 EN 61869-3 IEEE C57.13 CAN/CSA-C60044-2 AS 60044.2 ABNT NBR 6855
	$1 \text{ V} \leq U_{pr} \leq 66 \text{ kV}$	16 2/3 Hz	$U_{pr} \leq 5 \%$ [0.040 % / 1 min]	
Combined transformer	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	$I_{pr} > 5 \%$ [0.016 % / 1.5 min]	IEC 61869-1 IEC 61869-4 EN 61869-1 EN 61869-4 IEEE C57.13 CAN/CSA-C60044-3 AS 60044.3
	$1 \text{ A} \leq I_{pr} \leq 50 \text{ kA}$	50 / 60 Hz	$I_{pr} < 5 \%$ [0.056 % / 3.4 min]	
	$1 \text{ A} \leq I_{pr} \leq 2 \text{ kA}$	16 2/3 Hz		
	Isr: 1 A or 5 A			
Capacitor Voltage transformer	$1 \text{ V} \leq U_{pr} \leq 280 \text{ kV}$	50 / 60 Hz	$U_{pr} > 5 \%$ [0.010 % / 0.5 min]	IEC 61869-1 IEC 61869-5 EN 61869-1 EN 61869-5 ANSI C93.1 CAN/CSA-C60044-5 AS 60044.5
	$1 \text{ V} \leq U_{pr} \leq 66 \text{ kV}$	16 2/3 Hz	$U_{pr} \leq 5 \%$ [0.040 % / 1 min]	
	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	$U_{pr} > 5 \%$ [0.010 % / 0.5 min]	
	$U_{pr} \leq 5 \%$ [0.040 % / 1 min]			
Resistive Capacitive Divider	$1 \text{ V} \leq U_{pr} \leq 280 \text{ kV}$	50 / 60 Hz	$U_{pr} > 5 \%$ [0.020 % / 2.0 min] $U_{pr} \leq 5 \%$ [0.040 % / 4.0 min]	IEC 61869-1

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