Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER

State Secretariat for Economic Affairs SECO
Swiss Accreditation Service SAS

STS Directory

Accreditation number: STS 0210

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

PFIFFNER Instrument Transformers Ltd.
Testing Laboratory
Lindenplatz 17
5042 Hirschthal

Head:	Florian Elmiger
Responsible for MS:	Daniel Müller
Telephone:	+41 62 739 28 28
E-Mail:	mailto:florian.elmiger@pmw.ch
Internet:	http://www.pfiffner-group.com
Initial accreditation:	11.01.1999
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

Testing laboratory for instrument transformers and high voltage tests

Group of products or materials, field of activity	Principle of measurement [2] (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Instrument transformers		
Current transformers	All tests for Um ≤ 550 kV (external test: Short-time current test)	IEC 61869-1 IEC 60044-1 / IEC 61869-2 *) IEC 60044-6 / IEC 61869-2 *) EN 61869-1 EN 60044-1 / EN 61869-2 *) EN 60044-6 / EN 61869-2 *) IEEE C57.13 CAN/CSA-C60044-1 CAN/CSA-C60044-6 AS 60044.1 ABNT NBR 6821 ABNT NBR 6856

1) Scope of accreditation type A (fix)
2) Scope of accreditation type B (flexible)
3) Scope of accreditation type C (flexible)

Definition of flexibilty see SAS Document 741

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Group of products or materials, field of activity	**Principle of measurement [2] (characteristics, measuring ranges, type of test)**	**Test methods, remarks (national, international standards, in-house test methods)**
Inductive voltage transformers	All tests for Um ≤ 550 kV	IEC 61869-1 IEC 60044-2 / IEC 61869-3 *) EN 61869-1 EN 60044-2 / EN 61869-3 *) IEEE C57.13 CAN/CSA-C60044-2 AS 60044.2 ABNT NBR 6855
Combined transformers	All tests for Um ≤ 550 kV (external test: Short-time current test)	IEC 61869-1 IEC 60044-3 / IEC 61869-4 *) EN 61869-1 EN 60044-3 / EN 61869-4 *) IEEE C57.13 CAN/CSA-C60044-3 AS 60044.3
Capacitor voltage transformers	All tests for Um ≤ 550 kV	IEC 61869-1 IEC 60044-5 / IEC 61869-5 *) EN 61869-1 EN 60044-5 / EN 61869-5 *) ANSI C93.1 CAN/CSA-C60044-5 AS 60044.5
Bushings		
Insulated bushings for alternating voltages > 1 kV	All tests for Um ≤ 550 kV	IEC 60137 EN 60137
Procedure standards	Partial discharge measurement ≤ 700 kV (Peak/√2), 50 – 120 Hz ≤ 230 kV (Peak/√2), 16 $^{2}/_{3}$ Hz	IEC 60270
	High voltage test techniques	IEC 60060-1 IEEE Std 4
	Tests with alternating voltage ≤ 700 kV (Peak/√2), 50 – 120 Hz ≤ 230 kV (Peak/√2), 16 $^{2}/_{3}$ Hz	
	Tests with lightning-impulse voltage ≤ 1600 kV, 1,2 / 50 µs	
	Tests with switching-impulse voltage ≤ 1200 kV, 250 / 2500 µs	

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Group of products or materials, field of activity	**Principle of measurement [2] (characteristics, measuring ranges, type of test)**	**Test methods, remarks (national, international standards, in-house test methods)**
Insulating oil	Wet tests ≤ 700 kV (Peak/√2), 50 – 120 Hz ≤ 1600 kV, 1.2 / 50 µs ≤ 1200 kV, 250 / 2500 µs Puncture voltage test	IEC 60156

*) IEC 61869 replaces IEC 60044

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Definition of flexibilty see SAS Document 741