

Date

Reference

2022-12-20

2021/2702

Scope of accreditation

Calibration laboratory according to SS-EN ISO/IEC 17025:2018

Hitachi Energy Sweden AB

Ludvika

Accreditation number

1297

STRI

A000448-008

Electricity and Magnetism

<i>Technology area</i>	<i>Method</i>	<i>Parameter</i>	<i>Material</i>	<i>Measure</i>	<i>Best measuring ability (CMC) +/-</i>	<i>Technique</i>	<i>Field</i>
Voltage	Process 0411/Sample setup during calibration, version 2021-05-11	AC	High-voltage equipment	10 kV - 600 kV	Peak-Peak/ $\sqrt{8}$: 0,8 %		No
		AC	High-voltage equipment	10 kV - 600 kV	RMS: 0,8 %		No
		DC	High-voltage equipment	40 kV - 300 kV	0,5%		No
		LI	High-voltage equipment	50 kV - 700 kV	Front time: 2,7 %		No
		LI	High-voltage equipment	50 kV - 700 kV	Test voltage: 0,93 %		No
		LI	High-voltage equipment	50 kV - 700 kV	Time to half-value: 2,3 %		No
		SI	High-voltage equipment	60 kV - 700 kV	Test voltage: 0,90 %		No
		SI	High-voltage equipment	60 kV - 700 kV	Time to half-value: 1,7 %		No
		SI	High-voltage equipment	60 kV - 700 kV	Time to peak: 4,1 %		No

Calibration and measurement capability, CMC, is the smallest uncertainty the calibration laboratory can provide, expressed as the expanded uncertainty having a coverage probability of approximately 95%.