

Date

Reference

2026-09-16

2026/1222

Scope of accreditation

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

Pentronic AB

Västervik

Accreditation number

0076

Gunnebo

A000508-001

Electricity and Magnetism

<i>Technology area</i>	<i>Parameter</i>	<i>Method</i>	<i>Material</i>	<i>Measuring range</i>	<i>Expanded measurement uncertainty ±</i>	<i>Technique</i>	<i>Field</i>
Current	DC	Intern metod; 1.31, utg 1.4	Current showing	0,001 – 20mA	1µA		No

Temperature

<i>Technology area</i>	<i>Parameter</i>	<i>Method</i>	<i>Material</i>	<i>Measuring range</i>	<i>Expanded measurement uncertainty ±</i>	<i>Technique</i>	<i>Field</i>
Temperature		Intern metod; 3.50 Utg 1.6	Thermocouple	156,5985 °C	0,07 °C	Indium	No
		Intern metod; 3.50 Utg 1.6	Thermocouple	231,928 °C	0,07 °C	Tin	No
		Intern metod; 3.50 Utg 1.6	Thermocouple	419,527 °C	0,1 °C	Zinc	No
		Intern metod; 3.50 Utg 1.6	Thermocouple	660,323 °C	0,1 °C	Aluminum	No
		Intern metod; 3.50 Utg 1.6	Thermocouple	961,78 °C	0,1 °C	Silver	No
	Contact	Inhouse method; 2.60 Utg 1.7	Resistance thermometer	200 – 550 °C	0,02 °C		No
		Inhouse method; 2.60 Utg 1.7	Resistance thermometer	550 – 650 °C	0,1 °C		No
		Inhouse method; 2.60 Utg 1.7	Resistance thermometer	-80 – 200 °C	0,015 °C		No
		Inhouse method; 3.60 Utg 1.9	Thermocouple	1100 – 1200 °C	1 °C		No
		Inhouse method; 3.60 Utg 1.9	Thermocouple	550 – 650 °C	0,1 °C		No

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Inhouse method; 3.60 Utg 1.9	Thermocouple	650 – 1100 °C	0,7 °C		No
Inhouse method; 3.60 Utg 1.9	Thermocouple	-80 – 550 °C	0,07 °C		No
Inhouse method; 5.11 utg 1.0	Temperature sensors	-200 – 850 °C	0,015 °C		No
Inhouse method; 5.21 utg 1.4	Temperature sensors	-200 – 1750 °C	0,07 °C		No
Inhouse method; 5.50 utg 1.5	Temperature sensors	0,01 °C	0,0016 °C	Water	No
Inhouse method; 5.50 utg 1.5	Temperature sensors	156,5985 °C	0,003 °C	Indium	No
Inhouse method; 5.50 utg 1.5	Temperature sensors	231,928 °C	0,004 °C	Tin	No
Inhouse method; 5.50 utg 1.5	Temperature sensors	29,7646 °C	0,002 °C	Gallium	No
Inhouse method; 5.50 utg 1.5	Temperature sensors	-38,8344 °C	0,002 °C	Quicksilver	No
Inhouse method; 5.50 utg 1.5	Temperature sensors	419,527 °C	0,005 °C	Zinc	No
Inhouse method; 5.50 utg 1.5	Temperature sensors	660,323 °C	0,008 °C	Aluminum	No
Inhouse method; 5.50 utg 1.5	Temperature sensors	961,78 °C	0,1 (med t/e) °C	Silver	No
Inhouse method; 5.60 Utg 1.8	Temperature sensors	1100 – 1200 °C	1 °C		No
Inhouse method; 5.60 Utg 1.8	Temperature sensors	200 – 550 °C	0,02 °C		No
Inhouse method; 5.60 Utg 1.8	Temperature sensors	550 – 650 °C	0,1 °C		No
Inhouse method; 5.60 Utg 1.8	Temperature sensors	650 – 1100 °C	0,7 °C		No
Inhouse method; 5.60 Utg	Temperature	-80 – 200 °C	0,015 °C		No

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1.8	sensors				
Inhouse method; 7.10 Utg 1.1	Temperature sensors	-200 – 1750 °C	0,1 °C		Yes
Inhouse method; 7.40 Utg 1.0	Temperature sensors	400 – 650 °C	0,2 °C		Yes
Inhouse method; 7.40 Utg 1.0	Temperature sensors	650 – 1200 °C	1 °C		Yes
Inhouse method; 7.40 Utg 1.0	Temperature sensors	-80 – 400 °C	0,1 °C		Yes
Inhouse method; 7.60 Utg 1.0	Temperature sensors	400 – 650 °C	0,2 °C		Yes
Inhouse method; 7.60 Utg 1.0	Temperature sensors	650 – 1200 °C	1 °C		Yes
Inhouse method; 7.60 Utg 1.0	Temperature sensors	-80 – 400 °C	0,1 °C		Yes
Intern method; 3.84 utg 1.2	Temperature sensors	-200 - 1750 °C	0,1 °C		No
Intern metod; 3.50 Utg 1.6	Thermocouple	156,5985 °C	0,07 °C	Indium	No
Intern metod; 3.50 Utg 1.6	Thermocouple	231,928 °C	0,07 °C	Tin	No
Intern metod; 3.50 Utg 1.6	Thermocouple	419,527 °C	0,1 °C	Zinc	No
Intern metod; 3.50 Utg 1.6	Thermocouple	660,323 °C	0,1 °C	Aluminum	No
Intern metod; 3.50 Utg 1.6	Thermocouple	961,78 °C	0,1 °C	Silver	No
Intern metod; 6.20 Utg 1.6	Block calibrator	>200 – 650 °C	0,2 °C		No
Intern metod; 6.20 Utg 1.6	Block calibrator	>650 – 1100 °C	1 °C		No
Intern metod; 6.20 Utg 1.6	Block calibrator	-80 – 200 °C	0,1 °C		No
Non-contact thermometry	Inhouse method; 5.81 utg 1.1	Temperature sensors	0 – 200 °C	2 °C	No
	Inhouse method; 5.83 utg 1.5	Temperature sensors	-10 – 550 °C	3 °C	No
	Inhouse method; 7.80 Utg 1.1	Temperature sensors	-10 – 550 °C	5 °C	Yes

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	Resistance	Inhouse method; 2.50 utg 2.0	Resistance thermometer	0,01 °C	0,0016 °C	Water	No
		Inhouse method; 2.50 utg 2.0	Resistance thermometer	156,5985 °C	0,003 °C	Indium	No
		Inhouse method; 2.50 utg 2.0	Resistance thermometer	231,928 °C	0,004 °C	Tin	No
		Inhouse method; 2.50 utg 2.0	Resistance thermometer	29,7646 °C	0,002 °C	Gallium	No
		Inhouse method; 2.50 utg 2.0	Resistance thermometer	-38,8344 °C	0,002 °C	Quicksilver	No
		Inhouse method; 2.50 utg 2.0	Resistance thermometer	419,527 °C	0,005 °C	Zinc	No
		Inhouse method; 2.50 utg 2.0	Resistance thermometer	660,323 °C	0,008 °C	Aluminum	No
		Intern method; 2.85 utg 1.0	Temperature sensors	-200 - 850 °C	0,015 °C		No

The calibration and measurement capability (CMC) includes measurement (technology area), method, measurement range and expanded measurement uncertainty. The expanded measurement uncertainty corresponds to a coverage probability (confidence level) of ~95%.