



The Dutch Accreditation Council RvA, by law appointed as the national accreditation body for The Netherlands, hereby declares that accreditation has been granted to:

Siemens Industry Software B.V. Breda

The organisation has demonstrated to be able to generate technical valid results in a competent way and work according to a management system.

This accreditation is based on an assessment against the requirements as laid down in EN ISO/IEC 17025:2017.

The accreditation covers the activities as specified in the authorized annex bearing the registration number.

The accreditation is valid provided that the organisation continues to meet the requirements.

The accreditation with registration number:

K 159

is granted on 25 July 2012

This declaration is valid until

01 August 2024

The board of the Dutch Accreditation Council,
on its behalf,


mr. J.A.W.M. de Haas

of **Siemens Industry Software B.V.**

This annex is valid from: **16-07-2020** to **01-08-2024**

Replaces annex dated: **16-10-2019**

Location(s) where activities are performed under accreditation

Head Office

Weidehek 53
4824 AT
Breda
The Netherlands

Location	Abbreviation/ location code
Weidehek 53 4824 AT Breda The Netherlands	BR

HCS code	Measured quantity, Range	Frequency	CMC ¹	Remarks	Location
LF 0 0	DC/LF electricity				BR
LF 1 0	Direct voltage			Generating. U stands for generated DC voltage	BR
	$U \leq 0.25 \text{ V}$		22 μV		
	$0.25 \text{ V} < U \leq 4 \text{ V}$		220 μV		
	$4 \text{ V} < U \leq 10 \text{ V}$		460 μV		
LF 1 0	Direct voltage			Measuring the internal reference generator with a DMM. U stands for generated DC voltage	BR
	$U \leq 0.25 \text{ V}$		22 μV		

This annex has been approved by the Board of the Dutch Accreditation Council, on its behalf,

J.A.W.M. de Haas

¹ Calibration and Measurement Capability (CMC): Demonstrated measurement uncertainty, with coverage probability of 95%, in a given measurement point or measurement range. Measurement uncertainty, *U*, is calculated according to EA-4/02 "Evaluation of the Uncertainty of Measurement in Calibration".

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HCS code	Measured quantity, Range	Frequency	CMC ¹	Remarks	Location
	0.25 V < U ≤ 4 V		220 μV		
LF 1 0	Direct voltage			Measuring residual offset. IR stands for "Input Range"	BR
	IR ≤ 100 mV		0.6 μV	Bridge channels	
	100 mV < IR ≤ 316 mV		1.2 μV	Bridge channels	
	316 mV < IR ≤ 1 V		2.2 μV	Bridge channels	
	1 V < IR ≤ 3.16 V		8.8 μV	Bridge channels	
	3.16 V < IR ≤ 10 V		21 μV	Bridge channels	
	IR ≤ 316 mV		4.8 μV	V/ICP channels	
	316 mV < IR ≤ 1 V		5.2 μV	V/ICP channels	
	1 V < IR ≤ 3.16 V		8.0 μV	V/ICP channels	
	3.16 V < IR ≤ 10 V		21 μV	V/ICP channels	
LF 3 0	Alternating voltage			Measuring amplitude accuracy. IR stands for "Input Range"	BR
	IR ≤ 100 mV	1000 Hz	48 μV	Bridge channels	
	100 mV < IR ≤ 316 mV	1000 Hz	66 μV	V/ICP and bridge channels	
	316 mV < IR ≤ 1 V	1000 Hz	120 μV	V/ICP and bridge channels	
	1 V < IR ≤ 3.16 V	1000 Hz	310 μV	V/ICP and bridge channels	
	3.16 V < IR ≤ 10 V	1000 Hz	530 μV	V/ICP and bridge channels	
LF 3 0	Alternating charge			Measuring amplitude accuracy. Using internal capacitor for voltage to charge conversion. IR stands for "Input Range"	BR
	IR ≤ 316 pC	1000 Hz	3.0 pC	Charge input channels	
	316 pC < IR ≤ 1 nC	1000 Hz	9.2 pC	Charge input channels	
	1 nC < IR ≤ 3.16 nC	1000 Hz	30 pC	Charge input channels	
	3.16 nC < IR ≤ 10 nC	1000 Hz	96 pC	Charge input channels	

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HCS code	Measured quantity, Range	Frequency	CMC ¹	Remarks	Location
LF 3 0	Noise			Measuring RMS noise and spurious free floor - voltage frequency domain measurement. IR stands for "Input Range"	BR
	IR ≤ 100 mV	20 Hz ~ 20 kHz bandwidth	28 pV	Bridge channels	
	100 mV < IR ≤ 316 mV	20 Hz ~ 20 kHz bandwidth	86 pV	Bridge channels	
	316 mV < IR ≤ 1V	20 Hz ~ 20 kHz bandwidth	280 pV	Bridge channels	
	1 V < IR ≤ 3.16 V	20 Hz ~ 20 kHz bandwidth	860 pV	Bridge channels	
	3.16 V < IR ≤ 10 V	20 Hz ~ 20 kHz bandwidth	3.0 nV	Bridge channels	
	IR ≤ 316 mV	20 Hz ~ 20 kHz bandwidth	2.0 nV	V/ICP channels	
	316 mV < IR ≤ 1 V	20 Hz ~ 20 kHz bandwidth	2.0 nV	V/ICP channels	
	1 V < IR ≤ 3.16 V	20 Hz ~ 20 kHz bandwidth	2.1 nV	V/ICP channels	
	3.16 V < IR ≤ 10 V	20 Hz ~ 20 kHz bandwidth	3.4 nV	V/ICP channels	
LF 3 0	Noise			Measuring RMS noise and spurious free floor - charge frequency domain measurement, using internal capacitor for voltage to charge conversion. IR stands for "Input Range"	BR
	IR ≤ 316 pC	20 Hz ~ 20 kHz bandwidth	0.1 aC	Charge input channels	
	316 pC < IR ≤ 1 nC	20 Hz ~ 20 kHz bandwidth	0.3 aC	Charge input channels	
	1 nC < IR ≤ 3.16 nC	20 Hz ~ 20 kHz bandwidth	0.9 aC	Charge input channels	
	3.16 nC < IR ≤ 10 nC	20 Hz ~ 20 kHz bandwidth	2.8 aC	Charge input channels	

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HCS code	Measured quantity, Range	Frequency	CMC ¹	Remarks	Location
LF 3 0	Crosstalk (voltage)			Measuring interchannel crosstalk. IR stands for "Input Range"	BR
	IR ≤ 100 mV	1.5 kHz ~ 15 kHz	60 nV	Bridge channels	
	100 mV < IR ≤ 316 mV	1.5 kHz ~ 15 kHz	68 nV	V/ICP and bridge channels	
	316 mV < IR ≤ 1 V	1.5 kHz ~ 15 kHz	150 nV	V/ICP and bridge channels	
	1 V < IR ≤ 3.16 V	1.5 kHz ~ 15 kHz	0.4 μV	V/ICP and bridge channels	
	3.16 V < IR ≤ 10 V	1.5 kHz ~ 15 kHz	1.3 μV	V/ICP and bridge channels	
LF 3 0	Crosstalk (charge)			Measuring interchannel crosstalk. Using internal capacitor for voltage to charge conversion. IR stands for "Input Range"	BR
	IR ≤ 316 pC	1.5 kHz ~ 15 kHz	68 aC	Charge input channels	
	316 pC < IR ≤ 1 nC	1.5 kHz ~ 15 kHz	150 aC	Charge input channels	
	1 nC < IR ≤ 3.16 nC	1.5 kHz ~ 15 kHz	0.4 fC	Charge input channels	
	3.16 nC < IR ≤ 10 nC	1.5 kHz ~ 15 kHz	1.3 fC	Charge input channels	
LF 3 0	Distortion (voltage)			Measuring harmonics. IR stands for "Input Range"	BR
	IR ≤ 100 mV	993.75 Hz	120 nV	Bridge channels	
	100 mV < IR ≤ 316 mV	993.75 Hz	140 nV	V/ICP and bridge channels	
	316 mV < IR ≤ 1 V	993.75 Hz	290 nV	V/ICP and bridge channels	
	1 V < IR ≤ 3.16 V	993.75 Hz	0.8 μV	V/ICP and bridge channels	
	3.16 V < IR ≤ 10 V	993.75 Hz	2.6 μV	V/ICP and bridge channels	
LF 3 0	Distortion (charge)			Measuring harmonics. Using internal capacitor for voltage to charge conversion. IR stands for "Input Range"	BR
	IR ≤ 316 pC	993.75 Hz	140 aC	Charge input channels	
	316 pC < IR ≤ 1 nC	993.75 Hz	290 aC	Charge input channels	
	1 nC < IR ≤ 3.16 nC	993.75 Hz	0.8 fC	Charge input channels	
	3.16 nC < IR ≤ 10 nC	993.75 Hz	2.6 fC	Charge input channels	

Annex to declaration of accreditation (scope of accreditation)

Normative document: EN ISO/IEC 17025:2017

Registration number: **K 159**

of **Siemens Industry Software B.V.**

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HCS code	Measured quantity, Range	Frequency	CMC¹	Remarks	Location
TF 0 0	Time and frequency				
TF 2 1	Frequency	800 Hz	0.1 Hz	Measuring the internal reference frequency accuracy, representing system clock accuracy	BR

Remark(s):

Calibration of Simcenter SCADAS signal conditioning and data acquisition equipment.