Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **K 159**

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

This annex is valid from: **24-05-2023** to **01-08-2024** Replaces annex dated: **14-09-2022**

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
	0.00 V ≤ U ≤ 0.25 V -0.25 V ≤ U ≤ 0.00 V		22 µV		
	0.25 V < U ≤ 4 V -4 V ≤ U < -0.25 V		220 µV		
	4 V < U ≤ 10 V -10 V ≤ U < -4 V		460 µV		

[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".

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

J.A.W.M. de Haas

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HCS code	Measured quantity, Range	Frequency	CMC[1]	Remarks	Location
LF 1 0	Direct voltage			Measuring the internal reference generator with a DMM. U stands for generated DC voltage	BR
	0.00 V ≤ U ≤ 0.25 V -0.25 V ≤ U ≤ 0.00 V		22 µV		
	0.25 V < U ≤ 4 V -4 V ≤ U < -0.25 V		220 µV		
LF 1 0	Direct voltage			Measuring residual offset. IR stands for “Input Range”	BR
	0 mV ≤ IR ≤ 100 mV -100 mV ≤ IR ≤ 0 mV		0.6 µV	Bridge channels	
	100 mV < IR ≤ 316 mV -316 mV ≤ IR < -100 mV		1.2 µV	Bridge channels	
	316 mV < IR ≤ 1 V -1 V ≤ IR < -316 mV		2.2 µV	Bridge channels	
	1 V < IR ≤ 3.16 V -3.16 V ≤ IR < -1 V		8.8 µV	Bridge channels	
	3.16 V < IR ≤ 10 V -10 V ≤ IR < -3.16 V		21 µV	Bridge channels	
	0 mV ≤ IR ≤ 316 mV -316 mV ≤ IR ≤ 0 mV		4.8 µV	V/ICP channels	
	316 mV < IR ≤ 1 V -1 V ≤ IR < -316 mV		5.2 µV	V/ICP channels	
	1 V < IR ≤ 3.16 V -3.16 V ≤ IR < -1 V		8.0 µV	V/ICP channels	
	3.16 V < IR ≤ 10 V -10 V ≤ IR < -3.16 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	

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HCS code	Measured quantity, Range	Frequency	CMC[1]	Remarks	Location
	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	
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	

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HCS code	Measured quantity, Range	Frequency	CMC[1]	Remarks	Location
	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	
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.