Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **L 029**

of **NMI Certin B.V.**

This annex is valid from: **25-07-2025** to **01-05-2028** Replaces annex dated: **16-09-2024**

Location(s) where activities are performed under accreditation

Head Office

Thijsseweg 11
2629 JA
Delft
The Netherlands

Location	Abbreviation/ location code
Thijsseweg 11 2629 JA Delft The Netherlands	De
Rotterdamseweg 402 A5/A6 2629 HH Delft The Netherlands	Ro
On site	O

No.	Material or product	Type of activity[1]	Internal reference number	Location
Flexible scope[2]				
Electromagnetic Compatibility Immunity / Susceptability (EMI)				
EMC.I.03	Electronic and electrical measuring instruments	Harmonics and interharmonics including mains signaling at a.c. power port, low frequency immunity 0 Hz - 150 kHz	NMI Validated Range of Activities - L029	De

[1] If there is a referral to a code starting with NAW, NAP, EA or IAF, this concerns a scheme mentioned on RvA-BR010-lijst.
If no date or version number is mentioned for a normative document, the accreditation concerns the most current version of the document or scheme.
[2] This flexible scope requires the laboratory to maintain a current list of the methods applied under this flexible scope.This list can be requested from the laboratory.

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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No.	Material or product	Type of activity[1]	Internal reference number	Location
EMC.I.07	and ancillary equipment	Immunity to conducted disturbances, induced by radio-frequency fields 0 – 24 V 150 kHz – 80 MHz		
EMC.I.09		Continuous magnetic field Immunity up to 0,4 tesla		
EMC.I.10		Short time overcurrent Immunity overcurrent value up to 120 A		
EMC.I.11		Impulse voltage Immunity up to 24 kV		
EMC.I.21		Electrostatic discharge immunity (ESD) Contact discharge: 0 – 8 kV Air discharge: 0 – 15 kV		
EMC.I.22		Electrical fast transient / burst immunity (EFT) 1 phase + 3 phase + I/O lines 0,25 – 6 kV		
EMC.I.23		Surge immunity 1 phase + 3 phase + I/O lines 0,2 – 8 kV		
EMC.I.24		Power frequency magnetic field immunity 50 and 60 Hz Continuous 0 – 400 A/m; Short duration 0 – 1000 A/m		
EMC.I.25		Pulsed magnetic field Immunity 0 – 1000 A/m		
EMC.I.26		Voltage dips, short interruptions and voltage variations Immunity 1 phase 300 V 50 – 60 Hz All angles		

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No.	Material or product	Type of activity[1]	Internal reference number	Location
EMC.I.27		Electric transient transmission via lines other than supply lines Immunity 150 V FAST CCC		
EMC.I.30		DC voltage ripple Immunity 50 Hz – 300 kHz		
EMC.I.36		Ring wave immunity test DC + 1 phase + 3 phase 0 – 8 kV		
EMC.I.37		DC Voltage dips, short interruptions and voltage variations Immunity 425 V 16,7 A		
EMC.I.38		Damped oscillatory wave immunity 100 kHz – 1 MHz 0 – 4 kV		
EMC.I.39		Electric transient transmission along supply lines Immunity		
EMC.I.40		Radiated Immunity, Anechoic Chamber method 26 MHz to 80 MHz up to 10 V/m 80 MHz to 380 MHz and 424 MHz to 6 GHz up to 30 V/m 380 MHz to 424 MHz up to 65 V/m		
EMC.I.48		An objective light flickermeter and voltage fluctuation immunity test		
		Electrical testing (ET)		
ET01	Electronic and electrical measuring instruments	AC and DC voltage and frequency variations	NMI Validated Range of Activities - L029	De,Ro
ET02		Current variation		De
ET03		Load dump		

No.	Material or product	Type of activity[1]	Internal reference number	Location
ET04	and ancillary equipment	Starting profile		
ET05		DC voltage test up to 5 kV		
ET06		AC power-frequency voltage test up to 4 kV		
Climatic Environment influence Tests (CL)				
CL01	Measuring instruments and ancillary equipment	Temperatures -70 °C up to and including 180 °C	NMI Validated Range of Activities - L029	De, Ro, O
CL02		Humidity Exposure to humidity up to 98 % RH		De, Ro, O
CL03		Resistance to high ambient temperatures ≤ 650 °C		De
CL04		Sand and Dust Exposure to sand and dust IP 1X, 2X, 3X, 4X, 5X		De
CL05		Water Exposure to water falling in drops and impacting (colliding) water IP X1, X2, X3, X4		De
CL06		Ultraviolet exposure		De
Mechanical Environment Tests (ME)				
ME01	Measuring instruments and ancillary equipment	Random vibration Exposure to random vibration Total RMS level 20 $m \cdot s^{-2}$ Frequency 10-200 kHz	NMI Validated Range of Activities - L029	De
ME02		Sinusoidal vibration Exposure to sinusoidal vibration Max. acceleration level up to 20 $m \cdot s^{-2}$ Frequency 10-200 kHz		De
ME03		Mechanical shock / Resistance to mishandling / Mechanical impact		De

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No.	Material or product	Type of activity[1]	Internal reference number	Location
ME04		Spring Hammer Test / Mechanical impact Kinetic energy 0,2 J; 0,5 J, 1 J, 3 J, 5 J		De
ME05		Glow wire ≤ 960 °C		De
ME06		Shut-off valve closing		De
ME07		Rotation		De
ME08		Measurement and application of torque 0 – 7050 Nm		De
ME09		Bending moment 0 – 7050 Nm		De
ME10		Tilting		De,O
ME11		Cable Flexion and pull test up to 25 kg		De
ME12		Acoustic noise interference 0,1 Hz – 10 kHz 0 – 100 dB		De
ME13		Ball pressure 20 N		De
ME14		Adhesion force 0,4 N·mm−1		De
ME15		Sharp edge test		De
ME16		Penetration resistance 30 N		De
		Chemical Resistance (CH)		
CH1	Measuring instruments and ancillary equipment	Exposure to 3% Toluene/iso-octane vapour	NMI Validated Range of Activities - L029	De
CH2		Exposure to Water vapour		
CH3		Contaminants in the gas stream		

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No.	Material or product	Type of activity[1]	Internal reference number	Location
CH4		Indelibility		
		Performance tests (PT)		
PT01	Measuring instruments and ancillary equipment	Temperatures -70 °C – 180 °C	NMI Validated Range of Activities - L029	De,Ro
PT02		Pressure tests 0,1 – 101 bar(a)		De,Ro
PT03		Flow performance tests with air 0,2 dm³/h – 1600 m³/h		De
PT04		Flow performance tests with gas mixtures 16 dm³/h – 10 m³/h		De
PT05		Flow performance tests with water 700 dm³/h – 14 m³/h		De
PT06		Fluid weighing 1 - 200 kg		De,Ro,O
PT07		Flow pulsations		De
PT08		Gas composition reference testing		De
PT09		Liquid density reference testing		De
PT10		Reference gas testing (Type 2 generator including the possibility for simplified gas)		De,Ro
PT11		Clock accuracy		De,Ro
PT12		Algorithm testing		De
PT13		Simulated inputs and outputs 0,1 Hz – 10 kHz -24 – 24 V DC 0 – 24 mA 0 – 50 MOhm		De,Ro
PT14		Electrical performance test for AC energy (kWh) 1 mA – 320 A 1 – 480 V 41 - 69 Hz		De

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No.	Material or product	Type of activity[1]	Internal reference number	Location
PT15		Electrical performance test for DC energy (kWh) 0 – 1500 A 0 – 1500 V		De
PT16		Electrical performance test for frequency measurement 41 Hz – 69 Hz		De
PT17		Electrical performance test for voltage measurement 12 V – 480 V		De
PT18		Electrical performance test for current measurement 1 mA – 120 A		De
PT19		Flicker measurement 0,2 - 10 P_{st}		De
PT20		Electrical performance test for active power (W) up to 320 A up to 300x3 V 0 - 96 kW		De
PT21		Electrical performance test for apparent power (VA) up to 320 A up to 300x3 V 0 - 96 kVA		De
PT22		Electrical performance test for power factor (PF) -1 to 1		De
PT23		Time measurement of signals ≥ 1,15 ns		De
PT24		Weighing performance using small additional weights 1 mg - 200 kg		De,O
PT25		Weighing performance using standard or high resolution mode 1 mg - 25 t		De

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No.	Material or product	Type of activity[1]	Internal reference number	Location
		1 mg – 1500 kg		O
PT26		Weighing performance using a control instrument 1 mg - 60 t		De
		1 mg – 1500 kg		O
PT27		Measurement of a belt speed 0 – 3000 RPM		De,O
PT28		Length / Linear dimension 0 – 50 m		De,O
PT29		Illumination measurement 100 - 2000 lux		De,O
PT30		Reference speed test in laboratory conditions 0 - 500 km/h		De,Ro
PT31		Reference speed test in practical conditions 0 - 400 km/h		O
PT32		Radar antenna diagram		Ro
PT33		Frequency and power output and beam width test 10 Hz - 125 MHz 50 MHz - 46 GHz / 100 pW - 100 mW		De,Ro
PT34		Taximeter function test		De
PT35		Capacity measurements		Ro
PT36		Angle measurement		De
PT37		Software validation		De