



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

Intermes B.V. Calibration Laboratory Hengelo

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 ISO/IEC 17025:2005.

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 018

is granted on 22 December 2016

This declaration is valid until
1 December 2020

The accreditation has been granted for the first time on
15 September 1980

The Chief Executive

Ir. J.C. van der Poel

Annex to declaration of accreditation (scope of accreditation)
 Normative document: EN ISO/IEC 17025:2005
 Registration number: **K 018**

of **Intermes B.V.**
Calibration Laboratory

This annex is valid from: **13-03-2019** to **30-11-2020**

Replaces annex dated: **08-11-2018**

Location(s) where activities are performed under accreditation

Head Office

Joseph Strumpeterstraat 10
 7559 SG
 Hengelo
 The Netherlands

Location	Abbreviation/ location code
Joseph Strumpeterstraat 10 7559 SG Hengelo The Netherlands	HLO

HCS code	Measured quantity, Instrument, Measure	Range	CMC ¹	Remarks	Location
DM 0 0	DIMENSIONAL QUANTITIES				
DM 1 0	Gauge blocks				HLO
	Gauge blocks, steel	(0.5 - 100) mm (0.02 - 4) inch	0.06 μm + 1.2•10 ⁻⁶ •l	Central length, fixed sizes	
	Gauge blocks, tungsten carbide	(0.5 - 100) mm (0.02 - 4) inch	0.06 μm + 0.7•10 ⁻⁶ •l	Central length, fixed sizes	
	Gauge blocks, ceramic	(0.5 - 100) mm (0.02 - 4) inch	0.06 μm + 1.0•10 ⁻⁶ •l	Central length, fixed sizes	

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

J.A.W.M. de Haas
 Director of Operations

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 "Expression of the Uncertainty of Measurement in Calibration".

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	Gauge blocks, steel / tungsten carbide / ceramic		$0.05 \mu\text{m} + 0.1 \cdot 10^{-6} \cdot l$	Length variation	
	Step gauge	up to 1000 mm	$1.2 \mu\text{m} + 6.0 \cdot 10^{-6} \cdot l$		
DM 1 0	Length gauges			Comparative measure	HLO
	Steel	(125 – 500) mm	$0.2 \mu\text{m} + 3 \cdot 10^{-6} \cdot l$		
DM 2 0	Line scales, distances				HLO
	Rulers (all models)	up to 300 mm	$0.8 \mu\text{m} + 4 \cdot 10^{-6} \cdot l$		
		up to 600 mm	$1.1 \mu\text{m} + 4 \cdot 10^{-6} \cdot l$		
		up to 3000 mm	$6 \mu\text{m} + 5 \cdot 10^{-6} \cdot l$		
		up to 100 m	$6 \mu\text{m} + 6 \cdot 10^{-6} \cdot l$		
DM 3 0	Length measuring instruments				HLO
	1D-measuring machines			Laser interferometer; machine equipped with	
		up to 20 m	$0.15 \mu\text{m} + 0.7 \cdot R + 1.0 \cdot 10^{-6} \cdot l$	Zerodur scales;(1)	
		up to 20 m	$0.15 \mu\text{m} + 0.7 \cdot R + 1.3 \cdot 10^{-6} \cdot l$	Glass scales;(1)	
		up to 20 m	$0.15 \mu\text{m} + 0.7 \cdot R + 1.6 \cdot 10^{-6} \cdot l$	Steel scales;(1)	
		up to 400 mm	$0.3 \mu\text{m} + 0.7 \cdot R + 3 \cdot 10^{-6} \cdot l$	Optical systems (1)	
		up to 700 mm	$0.05 \mu\text{m} + 0.5 \cdot 10^{-6} \cdot l + S$	Using special gauge blocks (1)	
	Handheld tools for external	(0 - 200) mm	$0.45 \mu\text{m} + 0.5 \cdot R + 25 \cdot 10^{-6} \cdot l$	e.g. vernier, micrometer, (1)	

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	measurements	(200 - 2000) mm	$4 \mu\text{m} + 0.5 \cdot R + 5 \cdot 10^{-6} \cdot l$		
	Handheld tools for internal measurements (2-point)	(0 - 200) mm	$0.7 \mu\text{m} + 0.5 \cdot R + 25 \cdot 10^{-6} \cdot l$	e.g. vernier, internal micrometer, (1)	
		(200 - 400) mm	$5 \mu\text{m} + 0.5 \cdot R + 4 \cdot 10^{-6} \cdot l$		
	Handheld tools for internal measurements (2- and 3-point)	(1 - 250) mm	$1.5 \mu\text{m} + 0.5 \cdot R + 25 \cdot 10^{-6} \cdot l$	e.g. internal micrometers (1)	
	Handheld tools for height- and depth measurements	(0 - 200) mm	$0.7 \mu\text{m} + 0.5 \cdot R + 25 \cdot 10^{-6} \cdot l$	e.g. (depth) vernier, (1)	
		(200 - 500) mm	$4 \mu\text{m} + 0.5 \cdot R + 5 \cdot 10^{-6} \cdot l$		
	Linear displacement sensor	up to 200 mm	$0.05 \mu\text{m} + 0.7 \cdot R + 2.5 \cdot 10^{-6} \cdot l + S$	e.g. dial gauge, ... (1)	
		(200 - 300) mm	$0.7 \mu\text{m} + 0.7 \cdot R + 3.5 \cdot 10^{-6} \cdot l$		
	Height gauge	up to 1500 mm	$0.8 \mu\text{m} + 0.7 \cdot R + 2.5 \cdot 10^{-6} \cdot l$	(1)	
	Inside micrometer	up to 300 mm	$0.7 \mu\text{m} + 0.7 \cdot R + 2.5 \cdot 10^{-6} \cdot l$	(1)	
		(300 - 1000) mm	$0.4 \mu\text{m} + 0.7 \cdot R + 2 \cdot 10^{-6} \cdot l$	(1)	
		(1000 - 3000) mm	$0.4 \mu\text{m} + 0.7 \cdot R + 2 \cdot 10^{-6} \cdot l$		
	Film thickness gauge	up to 25 mm	$0.6 \mu\text{m} + 0.7 \cdot R + 22 \cdot 10^{-6} \cdot l$		
	Laser distance meter	up to 25 m	$0.5 \text{ mm} + 40 \cdot 10^{-6} \cdot L + 0,6 \cdot R$		

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DM 4 0	Diameter, length				HLO
	Setting rings and ring gauges	Ø (1 - 4) mm	1.2 µm + 6•10 ⁻⁶ •/		
		Ø (4 - 200) mm	1.0 µm + 2•10 ⁻⁶ •/		
		Ø (200 - 500) mm	1.2 µm + 6•10 ⁻⁶ •/		
	Pin gauge	up to Ø 300 mm	0.8 µm + 2.5•10 ⁻⁶ •/		
	Plug gauge	up to Ø 300 mm	0.8 µm + 2.5•10 ⁻⁶ •/		
	Thread wires	up to Ø 20 mm	0.8 µm + 2.5•10 ⁻⁶ •/		
	Other external diameters	up to Ø 100 mm	0.5 µm + (1+6•ΔT)•10 ⁻⁶ •/	(1)	
		up to Ø 300 mm	0.8 µm + 2.5•10 ⁻⁶ •/		
	Other internal diameters	Ø (1 - 4) mm	1.2 µm + 6•10 ⁻⁶ •/		
		Ø (4 - 200) mm	1.0 µm + 2•10 ⁻⁶ •/		
		Ø (200 - 500) mm	1.2 µm + 6•10 ⁻⁶ •/		
	Feeler gauges	up to 5 mm	0.8 µm + 2.5•10 ⁻⁶ •/		
	Setting gauges for micrometers	up to 300 mm	0.8 µm + 2.5•10 ⁻⁶ •/	(1)	
		(300 - 1000) mm	0.4 µm + 2•10 ⁻⁶ •/	(1)	
		(1000 - 3000) mm	0.4 µm + 2•10 ⁻⁶ •/		
	Other distances for parallel faces	up to 300 mm	0.8 µm + 2.5•10 ⁻⁶ •/	(1)	
		(300 - 1000) mm	0.4 µm + 2•10 ⁻⁶ •/	(1)	
		(1000 - 3000) mm	0.4 µm + 2•10 ⁻⁶ •/		
	Conical (taper) ring and pin	Ø (1 – 500) mm	1.8 µm + 0.4•10 ⁻⁶ •/	h ≤ 390 mm	
DM 5 0	Form error				HLO
	Roundness in- and externally	Ø (1 - 500 mm)	0.05 µm + 0.01•A	A=roundness deviation	

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	Roundness testers and other instruments for measuring roundness		$0.04 \mu\text{m} + 0.5 \cdot R$	(1)	
	Knife edge straight edge	up to 100 mm	$0.25 \mu\text{m}$	(1)	
		(100 - 300) mm	$0.6 \mu\text{m}$	(1)	
		(300 - 500) mm	$0.7 \mu\text{m}$	(1)	
	Straight edge	up to 10 m	$0.4 \mu\text{m} + 0.25 \cdot 10^{-6} \cdot l$	(1)	
	Surface plate	Up to $6 \times 10 \text{ m}^2$	$0.2 \mu\text{m} + 1.5 \cdot 10^{-6} \cdot l$	l = longest side of the surface plate (1)	
	Flick standard (roundness standard)		$0.15 \mu\text{m}$		
DM 6 0	Roughness				HLO
	Surface texture measuring instruments	Ra up to $5 \mu\text{m}$	$0.01 \mu\text{m} + 0.02 \cdot A + 0.5 \cdot R + S$	A = Ra-value of reference (1)	
		Rz up to $10 \mu\text{m}$	$0.01 \mu\text{m} + 0.05 \cdot A + 0.5 \cdot R + S$	A = Rz-value of reference (1)	
		Rt Rmax up to $10 \mu\text{m}$	$0.01 \mu\text{m} + 0.05 \cdot A + 0.5 \cdot R + S$	A = Rt Rmax-value of reference (1)	
	Roughness standards	Ra up to $10 \mu\text{m}$	$0.015 \mu\text{m} + 0.045 \cdot A$	A = measured Ra-value	
		Rz up to $15 \mu\text{m}$	$0.025 \mu\text{m} + 0.07 \cdot A$	A = measured Rz-value	
		Rt (Rmax) up to $15 \mu\text{m}$	$0.025 \mu\text{m} + 0.07 \cdot A$	A = measured Rt (Rmax)-value	
	Groove depth (-standaard)	up to 6 mm	$0.05 \mu\text{m} + 0.007 \cdot A$	A = measured profile height	

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DM 7 0	Thread quantities external			e.g. screw plug gauge	HLO
	Pitch	up to 10 mm	2 µm		
	Profile angle	up to 180°	(0.2 + 9/L) arcmin		
	Single pitch diameter	Ø(1 - 300) mm	α = 30°: ± (6.0 – 7.5) µm	According to Euramet/CG-10/V.02, method 1a or 1b	
		Ø(1 - 300) mm	α = 55° 60°: ± (3.2 – 4.1) µm		
		Ø(1 - 300) mm	α = 90°: ± (2.6 – 3.4) µm		
	Pitch diameter	Ø(1 - 300) mm	α = 30°: ± (6.0 – 7.5) µm	According to Euramet/CG-10/V.02, method 2a, 2b or 3	
		Ø(1 - 300) mm	α = 55° 60°: ± (3.2 – 4.1) µm		
		Ø(1 - 300) mm	α = 90°: ± (2.6 – 3.4) µm		
DM 7 0	Thread quantities			Cylindrical thread	HLO
	Thread quantities measured with master scanner (<i>Thread trapezium excluded</i>)			Method 4 according to TCGM – 04.05 d = nominal diameter α = flank angle P = pitch Cylindrical & Conical thread	
	Thread plug gauges (external thread) outside, core diameter pitch diameter	Ø (2 – 90) mm Ø (2 – 90) mm	1.5 µm 2.5 µm	α ≥ 27°	
	Thread ring gauges (internal thread) outside, core diameter pitch diameter	Ø (3 – 100) mm Ø (3 – 100) mm	1.5 µm 2.5 µm 4.5 µm	α ≥ 27° α < 27°	

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	Thread plug gauges (external thread) outside, core diameter pitch diameter	∅ (2 – 90) mm ∅ (2 – 90) mm	1.5 μm + 5 × 10 ⁻⁶ × l 2.5 μm 4.5 μm	α ≥ 27° α < 27°	
	Thread ring gauges (internal thread) outside, core diameter pitch diameter	∅ (3 – 100) mm ∅ (3 – 100) mm	1.5 μm + 5 × 10 ⁻⁶ × l 2.5 μm 4.5 μm	α ≥ 27° α < 27°	
DM 7 0	Thread quantities internal			e.g. screw ring gauge	
	Pitch	up to 10 mm	2 μm		
	Profile angle	up to 180°	(0.2 + 9/L) arcmin	Measurement on cast	
	Simple pitch diameter	∅(4 - 200) mm	α = 30°: ± (9 – 14) μm	According to Euramet/CG-10/V.02, method 1a or 1b	
		∅(4 - 200) mm	α = 55° 60°: ± (3.6 – 7) μm		
		∅(4 - 200) mm	α = 90°: ± (3.1 – 6.2) μm		
	Pitch diameter	∅(4 - 200) mm	α = 30°: ± (9 – 14) μm	According to RvA-I-4.05, Euramet/CG-10/V.02, method 2a, 2b or 3	
		∅(4 - 200) mm	α = 55° 60°: ± (3.6 – 7) μm		
		∅(4 - 200) mm	α = 90°: ± (3.1 – 6.2) μm		
DM 8 0	Combined instruments				HLO
	1D-, 2D- en 3D-measuring machines	up to 20 m	0.15 μm + 0.7•R + 1.0•10 ⁻⁶ •l	Laser interferometer, Zerodur scales (1)	
		up to 20 m	0.15 μm + 0.7•R + 1.3•10 ⁻⁶ •l	Laser interferometer, glass scales (1)	

Annex to declaration of accreditation (scope of accreditation)

Normative document: EN ISO/IEC 17025:2005

Registration number: **K 018**

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		up to 20 m	$0.15 \mu\text{m} + 0.7 \cdot R + 1.6 \cdot 10^{-6} \cdot l$	Laser interferometer, steel scales (1)	
		up to 400 mm	$0.3 \mu\text{m} + 0.7 \cdot R + 2.3 \cdot 10^{-6} \cdot l$	Optical systems (1)	
		up to 700 mm	$0.05 \mu\text{m} + 0.5 \cdot 10^{-6} \cdot l + S$	Using special gauge blocks (1)	
	Deviation of nominal displacement	up to 20 m	$0.15 \mu\text{m} + 0.7 \cdot R + 1.0 \cdot 10^{-6} \cdot l$	Laser interferometer, Zerodur scales (1)	
		up to 20 m	$0.15 \mu\text{m} + 0.7 \cdot R + 1.3 \cdot 10^{-6} \cdot l$	Laser interferometer, glass scales (1)	
		up to 20 m	$0.15 \mu\text{m} + 0.7 \cdot R + 1.6 \cdot 10^{-6} \cdot l$	Laser interferometer, steel scales (1)	
		up to 400 mm	$0.3 \mu\text{m} + 0.7 \cdot R + 2.3 \cdot 10^{-6} \cdot l$	Optical systems (1)	
		up to 700 mm	$0.05 \mu\text{m} + 0.5 \cdot 10^{-6} \cdot l + S$	Using special gauge blocks (1)	
	Deviations transverse to the translation directions	up to 0,5 mm	$0.1 \mu\text{m} + 3 \cdot 10^{-6} \cdot l + 0.005 \cdot A$	A = measured deviation; measuring length up to 3000 mm (1)	
	Rotational deviations around the translation direction	up to 400 arcsec	$0.5 \text{ arcsec} + 0.0035 \cdot H$	H = measured angle; only horizontal translations (1)	
		up to 2000 $\mu\text{m}/\text{m}$	$2.5 \mu\text{m}/\text{m} + 0.0035 \cdot H$		
		up to 400 arcsec	$1.6 \text{ arcsec} + 0.007 \cdot H$	Up to 2000 mm translation; ceramic straight edge and 2 displacement sensors (1)	
		up to 2000 $\mu\text{m}/\text{m}$	$8 \mu\text{m}/\text{m} + 0.007 \cdot H$		
	Other rotational deviations	up to 7200 arcsec	$0.5 \text{ arcsec} + 0.0016 \cdot H$	H = measured angle, translation up to 20 m (1)	
	Translation deviation along a rotational axis		0.025 μm	(1)	
	Parallelism of a rotation and a translation	translation up to 500 mm	1arcsec	(1)	

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HCS code	Measured quantity, Instrument, Measure	Range	CMC ¹	Remarks	Location
	Squareness of 2 translations	up to 500 x 500 mm ²	1arcsec	Ceramic square and displacement sensor (1)	
		up to 500 x 500 mm ³	0.6 arcsec	Ceramic square and measurement system op measuring machine; reversal method (1)	
	Squareness of a rotation and a translation	translation up to 150 mm	0.07 µm	(1)	
		translation up to 300 mm	0.7 µm	(1)	
DM 8 0	Coordinate Measuring Machines X, Y and Z axis			using calibration fixture (stepgauge) measuring (reference).	HLO
		max. 1000 mm	0.95 µm + 0.5·10 ⁻⁶ ·l	Measurement uncertainty steel reference and glass ruler. (1)	
		max. 2000 mm	1.0 µm + 0.8·10 ⁻⁶ ·l	Measurement uncertainty steel reference and glass ruler. (1)	
		max. 100 mm	0.6 µm	Measurement uncertainty steel reference and zerodur ruler. (1)	
		max. 500 mm	1.2 µm + 0.65·10 ⁻⁶ ·l	Measurement uncertainty steel reference and zerodur ruler. (1)	
		max. 570 mm	0.5 µm + 0.5·10 ⁻⁶ ·l	Measurement uncertainty zerodur reference and zerodur ruler. (1)	
DM 8 1	Tools, products				HLO
	Surface profiles	up to 6 x 120 mm ²	0.05 µm + 0.007·A	A = measured profile height	

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	Roughness	Ra: up to 10 µm	0.015 µm + 0.045•A	A = measured Ra-value	
		Rz: up to 15 µm	0.025 µm + 0.07•A	A = measured Rz-value	
		Rt, Rmax: up to 15 µm	0.025 µm + 0.07•A	A = measured Rt, Rmax-value	
	Straightness	up to 6 x 120 mm ²	0.05 µm + 0.007•A	A = measured profile height	
		up to 100 mm	0.25 µm		
		(100 - 300) mm	0.6 µm		
		(300 - 500) mm	0.7 µm		
		up to 1000 mm	1.3 µm + 2•10 ⁻⁶ •l		
		up to 10 m	0.5 µm + 0.5•10 ⁻⁶ •l	(1)	
	Roundness external	up to Ø500 mm	0.05 µm + 0.01•A	A = measured roundness	
	Roundness internal	Ø(0,7 - 500) mm	0.05 µm + 0.01•A	A = measured roundness	
	Cylindricity	up to Ø500 and up to height 100 mm	0.5 µm + 1.1•10 ⁻⁶ •H + 0.01•A	A = measured cylindricity H = height cylinder	
		up to Ø500 and up to height 500 mm	1.1 µm + 2•10 ⁻⁶ •H + 0.01•A		
	Coaxiality and concentricity	up to Ø500 and up to height 500 mm	0.1 µm + 0.02•A	A = measured coaxiality / concentricity	
	Flatness	up to Ø60 mm	0.04 µm		
		up to Ø145 mm	0.06 µm		
		up to Ø300 mm	0.6 µm		
		up to 6 x 10 m ²	0.2 µm + 1.5•10 ⁻⁶ •l	(1)	
	Angles between sides or planes	up to 180°	(0.2 + 9/A) arcmin	A = leg length; leg length up to 200 mm	
	Diameter external	up to Ø 300 mm	0.8 µm + 2.5•10 ⁻⁶ •l		

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		up to Ø 100 mm	$0.5 \mu\text{m} + (1+6\bullet\Delta T)\bullet 10^{-6}\bullet /$	(1)	
		Ø(300 - 500) mm	$1.2 \mu\text{m} + 6\bullet 10^{-6}\bullet /$		
	Diameter internal	Ø(1 - 4) mm	$1.2 \mu\text{m} + 6\bullet 10^{-6}\bullet /$		
		Ø(4 - 200) mm	$1.0 \mu\text{m} + 2\bullet 10^{-6}\bullet /$		
		Ø(200 - 500) mm	$1.2 \mu\text{m} + 6\bullet 10^{-6}\bullet /$		
DM 8 1	Tools, products	Distance of 2 parallel planes			HLO
	External	up to 300 mm	$0.8 \mu\text{m} + 2.5\bullet 10^{-6}\bullet /$		
		up to 100 mm	$0.5 \mu\text{m} + (1+6x\Delta T)x10^{-6}x /$	(1)	
		(300 - 3000)mm	$0.4 \mu\text{m} + 2\bullet 10^{-6}\bullet /$		
	Internal	Ø(1 - 4) mm	$1.2 \mu\text{m} + 6\bullet 10^{-6}\bullet /$		
		Ø(4 - 200) mm	$1.0 \mu\text{m} + 2\bullet 10^{-6}\bullet /$		
		Ø(200 - 500) mm	$1.2 \mu\text{m} + 6\bullet 10^{-6}\bullet /$		
DM 8 1	Tools, products	Thread external			HLO
	Pitch	up to 10 mm	2 µm		
	Profile angle	up to 180°	$(0.2 + 9/L)$ arcmin		
	Simple pitch diameter	Ø(1 - 300) mm	$\alpha = 30^\circ: \pm (6.0 - 7.5) \mu\text{m}$	According to Euramet/CG-10 V 2.0, method 1a or 1b	
		Ø(1 - 300) mm	$\alpha = 55^\circ 60^\circ: \pm (3.2 - 4.1) \mu\text{m}$		
		Ø(1 - 300) mm	$\alpha = 90^\circ: \pm (2.6 - 3.4) \mu\text{m}$		
	Pitch diameter	Ø(1 - 300) mm	$\alpha = 30^\circ: \pm (6.0 - 7.5) \mu\text{m}$	According to Euramet/CG-10 V 2.0, method 2a, 2b or 3	
		Ø(1 - 300) mm	$\alpha = 55^\circ 60^\circ: \pm (3.2 - 4.1) \mu\text{m}$		

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		Ø(1 - 300) mm	$\alpha = 90^\circ: \pm (2.6 - 3.4) \mu\text{m}$		
	Simple pitch diameter	Ø(4 - 100) mm	$\alpha = 30^\circ: \pm (9 - 14) \mu\text{m}$	According to Euramet/CG-10 V 2.0, method 1a or 1b	
		Ø(4 - 100) mm	$\alpha = 55^\circ 60^\circ: \pm (3.6 - 7) \mu\text{m}$		
		Ø(4 - 100) mm	$\alpha = 90^\circ: \pm (3.1 - 6) \mu\text{m}$		
	Pitch diameter	Ø(4 - 100) mm	$\alpha = 30^\circ: \pm (9 - 14) \mu\text{m}$	According to Euramet/CG-10 V 2.0, method 2a, 2b or 3	
		Ø(4 - 100) mm	$\alpha = 55^\circ 60^\circ: \pm (3.6 - 7) \mu\text{m}$		
		Ø(4 - 100) mm	$\alpha = 90^\circ: \pm (3.1 - 6) \mu\text{m}$		
DM 9 0	Angle measurement				HLO
	Angle gauge block	0° - 180°	2 arcsec		
	Cylindrical square	up to Ø300 mm, up to height 500 mm	$0.9 \mu\text{m} + 2.1 \cdot 10^{-6} \cdot l + 0.02 \cdot A$	A = measured squareness	
	Square	up to 500 mm leg length	$0.7 \mu\text{m} + 2.2 \cdot 10^{-6} \cdot l + 0.02 \cdot A$	A = measured squareness	
	Angle plate	90°	0.5 arcsec		
	Autocollimator	up to 12.5 mm/m	$0.5 \mu\text{m}/\text{m} + 0.001 \cdot H + 0.7 \cdot R$		
		up to 2600 arcsec	$0.1 \text{ arcsec} + 0.001 \cdot H + 0.7 \cdot R$		
	Spirit level	up to 12.5 mm/m	$0.5 \mu\text{m}/\text{m} + 0.001 \cdot H + 0.7 \cdot R$		
		up to 2600 arcsec	$0.1 \text{ arcsec} + 0.001 \cdot H + 0.7 \cdot R$		
DM 9 1	Angle measurement				HLO
	Leveling instruments		0.01 mm/m		
DM 9 2	Angle measurement				HLO

Annex to declaration of accreditation (scope of accreditation)
 Normative document: EN ISO/IEC 17025:2005
 Registration number: **K 018**

of **Intermes B.V.**
Calibration Laboratory

This annex is valid from: **13-03-2019 to 30-11-2020**

Replaces annex dated: **08-11-2018**

HCS code	Measured quantity, Instrument, Measure	Range	CMC ¹	Remarks	Location
	Polygon	up to 360°	0.5 arcsec		
	Pentagon prism	90°	0.5 arcsec		
DM 9 3	Angle measurement				HLO
	Deviation of the nominal rotation	360°	0.9 arcsec + 0.7•R	f.i. rotary heads and rotary table (1)	
DM 9 4	Angle measurement				HLO
	Clinometer	up to 360°	5 arcsec	(1)	

Remarks:

R = reading accuracy of the instrument

Temperature conditions for electrical calibrations is nominal 23 °C; temperature conditions for geometrical and torque calibrations is nominal 20 °C, temperature conditions for pressure and temperature calibrations is nominal 21 °C

$p_e = p - p_{amb}$: p_e is overpressure, p_{amb} is ambient pressure

This list of calibrations is , unless otherwise stated, applicable for calibrations performed inside the IntermeS laboratory.

(1) Calibrations performed at customers' premises.