

Calibration price list

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***** IMPORTANT INFORMATION *****

Quotations

Quotations for our calibration services for your measuring instruments listed in this price list are not provided. Should you nevertheless require a cost estimate for the measuring devices listed in this price list, we will invoice you for this with effect from 10.06.2024 within the scope of our minimum order value of €50 plus VAT. For devices that are not listed in the price list, we will be happy to provide you with a free cost estimate. Devices delivered for which no calibration order has been placed within a period of 8 weeks will automatically be returned to the customer carriage forward with the note "uncalibrated".

Calibration conditions

The calibration performance corresponds to the selected categories described above. Mitutoyo is entitled to have calibrations performed by third parties without consulting the Customer. The confirmation of conformity is usually given without taking the measurement uncertainty into account (Simple acceptance ILAC G8 4.2.1). For DAkkS calibrations, the decision rules specified in the test standards are applied. We will process your calibration orders as quickly as possible. The prices quoted are net prices plus the applicable statutory value-added tax. Mitutoyo's invoices shall be payable within 30 calendar days after receipt of the invoice without cash discount or other deductions. We expect your calibration orders to be delivered carriage paid, return delivery is carriage forward.

Decision rules for conformity

For calibration with specification of an expanded measurement uncertainty, the decision rule for conformity is based on ILAC G8:09/2019 Section 4.2.1. For calibration with specification of a test uncertainty, the decision rule for conformity is based on DIN EN ISO 14253-1. A conformity statement is only issued for calibration objects with known specifications. Please inform us of any deviating decision rules when placing your order.










Minimum order quantity 50,00€

Fields with a grey background can be subcontracted to other accredited laboratories. Price on request.

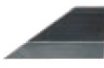


Fields with a orange background are not offered









Note: We cannot offer calibration services for analog measuring instruments with inch-based readings.





Description	Picture	Measuring range/size = max. nominal dimension in mm	Price in € excl. VAT for proprietary (ISO-) calibration	Price in € excl. VAT for DAkkS calibration (DIN EN ISO/IEC 17025)
SMALLTOOLS				
Caliper Test according to manufacturer specifications Test guideline: VDI/VDE/DGQ Vernier, clock and digital calipers <u>Accredited calibration (DAkkS)</u> Uncertainty of measurement: U = 30 µm + 30 x 10 ⁻⁶ x L (< 500mm) U = 50 µm + 30 x 10 ⁻⁶ x L (> 500mm)		≤ 200	11,00 €	19,00 €
		> 200 - 300	18,00 €	31,00 €
		> 300 - 500	26,00 €	46,00 €
		> 500 - 1000	49,00 €	87,00 €
		> 1000 - 2000	82,00 €	148,00 €
		> 2000 - 3000	139,00 €	
Depth Gauge Test according to manufacturer specifications Test guideline: VDI/VDE/DGQ Vernier, clock and digital calipers <u>Accredited calibration (DAkkS)</u> Uncertainty of measurement: U = 30 µm + 30 x 10 ⁻⁶ x L		≤ 200	11,00 €	19,00 €
		> 200 - 300	18,00 €	31,00 €
		> 300 - 500	26,00 €	46,00 €
		> 500 - 1000	49,00 €	87,00 €
		> 1000 - 2000	82,00 €	
		> 2000 - 3000	139,00 €	
Depth Gauge Hook Type Test guideline: VDI/VDE/DGQ Vernier, clock and digital calipers		≤ 200	12,00 €	21,00 €
		> 200 - 300	19,00 €	33,00 €
		> 300 - 500	35,00 €	
		> 500 - 1000	52,00 €	
		> 1000 - 1500	92,00 €	
Micrometer Construction according to DIN 863/1 (measuring range up to 30 mm) Test guideline: VDI/VDE/DGQ (incl. adjustment of the initial value) <u>Accredited calibration (DAkkS)</u> Uncertainty of measurement: U = 3 µm + 10 x 10 ⁻⁶ x L These prices apply to initial values from > 25 mm price for the setting gauge additionally		≤ 100	22,00 €	39,00 €
		> 100 - 200	29,00 €	52,00 €
		> 200 - 300	33,00 €	60,00 €
		> 300 - 500	40,00 €	73,00 €
		> 500 - 600	52,00 €	
		> 600 - 800	58,00 €	
		> 800 - 1000	69,00 €	
		> 1000 - 2000	101,00 €	
		<u>Mitutovo 293-100</u> with 0,0001 - 25 mm and U[k=2]=0,5µm +2x10xE-6xL		39,00 €
V-Anvil Micrometer Construction according to DIN 863/3 Test guideline: on the basis of VDI/VDE/DGQ Price for the setting gauge additionally		0 - 25	23,00 €	Price on request
		> 25 - 40	27,00 €	Price on request
		> 40 -100	32,00 €	Price on request
		> 100 -150	37,00 €	Price on request
		> 150 - 200	43,00 €	Price on request
Indicating Micrometer Test according to manufacturer specifications Test guideline: VDI/VDE/DGQ (incl. indicator) These prices apply to initial values from > 25 mm price for the setting gauge additionally		0 - 25	43,00 €	Price on request
		> 25 - 100	70,00 €	Price on request
		> 100 - 200	77,00 €	Price on request
Depth Micrometer and Micrometer Heads (Range up to 25mm) Test guideline: VDI/VDE/DGQ		0 - 25	29,00 €	Price on request
		> 25 -300	53,00 €	Price on request
Caliper Jaw Inside Micrometer Test guideline: on the basis of VDI/VDE/DGQ		0 - 50	23,00 €	Price on request
		> 50 - 75	30,00 €	Price on request
		> 75 - 100	38,00 €	Price on request
		> 100 - 200	47,00 €	Price on request
Tubular Inside Micrometer (Range up to 25 mm) Test guideline: VDI/VDE/DGQ		0 - 100	23,00 €	Price on request
		> 100 - 200	27,00 €	Price on request
		> 200 - 400	33,00 €	Price on request
		> 400 - 600	40,00 €	
		> 600 -1050	62,00 €	
Holetest / Borematic (Range up to 25 mm) Test guideline: VDI/VDE/DGQ or DIN		0 - 6	22,00 €	
		> 6 - 20		33,00 €
		> 20 - 50		42,00 €
		> 50 - 100		50,00 €
		> 100 -150	42,00 €	Price on request
		> 150 -200	48,00 €	Price on request
		> 200 -250	58,00 €	Price on request
		> 250 -300	67,00 €	Price on request



Description	Picture	Measuring range/size = max. nominal dimension in mm	Price in € excl. VAT for proprietary (ISO-) calibration	Price in € excl. VAT for DAkkS calibration (DIN EN ISO/IEC 17025)
Indicators analogue/digital Test guideline: VDI/VDE/DGQ Test according to manufacturer specifications <u>Accredited calibration (DAkkS)</u> Uncertainty of measurement: Dependent of scale / construction		≤ 13	20,00 €	36,00 €
		> 13 - 30,4	26,00 €	46,00 €
		> 30,4 - 60,9	40,00 €	73,00 €
		> 60,9 -100	75,00 €	134,00 €
Inductive probe with Display Test according to manufacturer specifications Test guideline: VDI/VDE/DGQ		-	€44,00	Price on request
Dial Indicator Test guideline: VDI/VDE/DGQ Test according to manufacturer specifications <u>Accredited calibration (DAkkS)</u> Uncertainty of measurement: U = 0,6µm		-	€20,00	€36,00
Bore Gauges for small holes Test according to manufacturer specifications Indicator additional		18-600	€36,00	Price on request
Bore Gauges for small holes Test according to manufacturer specifications Indicator additional (Price above)		1,5	€57,00	Price on request
		4	€38,50	Price on request
		10	€38,50	Price on request
		18	€38,50	Price on request
Lever Indicator Test according to manufacturer specifications Test guideline: VDI/VDE/DGQ <u>Accredited calibration (DAkkS)</u> Uncertainty of measurement: U = 0,8µm		1,5	26,00 €	46,00 €
Measuring Standard				
Thickness Gauge Test according to manufacturer specifications Indicator additional (Price above)		-	16,00 €	Price on request
Internal / External Dial Caliper Gauge Test according to manufacturer specifications Test guideline: VDI/VDE/DGQ		-	22,00 €	Price on request
Height Gauge Test guideline: VDI/VDE/DGQ <u>Accredited calibration (DAkkS)</u> Uncertainty of measurement: U = 30 µm + 30 x 10 ⁻⁶ x L		0 - 300	30,00 €	54,00 €
		> 300 - 600	58,00 €	104,00 €
		> 600 -1000	110,00 €	198,00 €
		> 1000 -1500	220,00 €	

Description	Picture	Measuring range/size = max. nominal dimension in mm	Price in € excl. VAT for proprietary (ISO-) calibration	Price in € excl. VAT for DAkkS calibration (DIN EN ISO/IEC 17025)
Digital Height Gauge / Linear Height / QM-Height Test guideline: VDI/VDE/DGQ		0 - 1000		441,00 €
Setting Block		-		
Heightmaster Test guideline: VDI/VDE/DGQ		0 - 300	417,00 €	Price on request
		> 300 - 600	528,00 €	Price on request
Protractor analogue and digital Test guideline: VDI/VDE/DGQ max. 500 mm		-	47,00 €	Price on request
Kalibrierkit SV etc / Batch-Tool		-	294,00 €	Preis auf Anfrage
Precision Square Level Test according to manufacturer specifications		-	69,00 €	Price on request
Level Gauge Test according to manufacturer specifications		-	40,00 €	Price on request
Dial Snap Gauge Test guideline: VDI/VDE/DGQ Flatness & Parallelism Indicator additional (Price above)		200	35,00 €	Price on request
Coating Thickness Measuring Instrument		-	94,00 €	
Calibration Film (for Thickness Measuring Instruments)		-	10,00 €	
Hardnesstester (portable) Shore A/D Rockwell, Vickers und Brinell According to Leeb		Shore A/D, HRC, V, HB	52,00 €	
		Leeb	129,00 €	
Reference Material Shore A and B		pro Stück	18,00 €	
		≤ 100	16,00 €	Price on request
90° Steel Squares Test guideline: VDI/VDE/DGQ maximum leg length		≤ 200	21,00 €	Price on request
		≤ 500	35,00 €	Price on request
		> 500	Price on request	

Description	Picture	Measuring range/size = max. nominal dimension in mm	Price in € excl. VAT for proprietary (ISO-) calibration	Price in € excl. VAT for DAkkS calibration (DIN EN ISO/IEC 17025)
Knife Edge / Straight Edge Test guideline: VDI/VDE/DGQ max. length in mm		≤ 500	23,00 €	Price on request
		> 500 - 1600	Price on request	Price on request
Steel Ruler DIN 866 Test: Form A and B max. length in mm incl. 10 similar distances per single distance € 2,- additionally		≤ 400		430,00 €
		>400-1600	139,00 €	
Sine Bar Test: corresponding to DIN 2273		200	82,00	Price on request
		300	87,50	Price on request
		500	96,00	Price on request
Standard-Measuring-Plate for Measuring Projector Test according to manufacturer specifications		Basic Price	294,00	
		each additional	10,00	
Setting Gauge for Micrometer with flat measuring surface Accredited calibration (DAkks) Uncertainty: $U = 1 \mu\text{m} + 10 \times 10^{-6} \times L$ on request $U = 0,3 \mu\text{m} + 0,6 \times 10^{-6} \times L$		≤ 100	11,00	24,00
		> 100 - 500	18,00	43,00
		> 500 -1000	52,00	128,00
		> 1000 - 1550	101,00	Price on request
Setting Standard V-Anvil Micrometer Test according to manufacturer specifications Calibration Method: Average 2-point diameter from 3 measurements rotated by 60°		≤ 10	11,00	Price on request
		> 10 - 100	18,00	Price on request
		> 100		
Setting Standard for Screw Thread Micrometer Calibration-Method: tip distance + Angle of rear sight + cone		≤ 100	18,00	Price on request
		> 100 - 200	33,00	Price on request
		> 200 - 300	47,00	Price on request
		> 300 - 400	58,00	Price on request
Interchangeable Rods for Depth Micrometer Test according to manufacturer specifications		≤ 200	14,00	Price on request
		> 200 - 400	19,00	Price on request
Extension Pipe for Tubular Inside Micrometer Test according to manufacturer specifications		≤ 100	9,00	Price on request
		> 100 - 300	17,00	Price on request
		> 300 - 500	26,00	Price on request
		> 500 - 1000	43,00	
		> 1000 - 3000	202,00	
Steel Gauge block Nominal dimension 0.5 mm to 100 mm incl. one calibration certificate, each additional calibration certificate costs €16.00		per piece		24,00
				$U=0,05 \mu\text{m} + 0,5 \times 10^{-6} \times L$
Ceramic Gauge block Nominal dimension 0.5 mm to 100 mm incl. one calibration certificate, each additional calibration certificate costs €16.00		per piece		24,00 €
				$U=0,07 \mu\text{m} + 0,5 \times 10^{-6} \times L$
Ceramic and Steel Gauge Block in any length Nominal dimension 0.5 mm to 100 mm incl. one calibration certificate, each additional calibration certificate costs €16.00		per piece		47,00 €
		only 41,3mm		24,00 €
		Gauge block < 0,5 mm apiece	23,00 €	
Tungsten Carbide Gauge block Nominal dimension 0.5 mm to 100 mm		per piece		28,00 €
Steel, Ceramic, Tungsten Carbide, Nexcera or Zerodur Gauge block Nominal dimension 100 mm to 1000 mm incl. one calibration certificate,		> 100 - 250		80,00 €
		> 250 - 500		204,00 €
		> 500 - 1000		258,00 €
Square gauge blocks		≤ 100	23,00 €	

Description	Picture	Measuring range/size = max. nominal dimension in mm	Price in € excl. VAT for proprietary (ISO-) calibration	Price in € excl. VAT for DAkkS calibration (DIN EN ISO/IEC 17025)
Steel and Ceramic Step Gauges / Checkmaster Accredited calibration $U=0.14 + 0.37 \times 10^{-6} \times L$ in μm touch-trigger measurements, distance dimensions On request for the lengths 1150 mm and 1510 mm RvA calibration in our Dutch accredited laboratory measurement uncertainty: $U=0.2 + 0.34 \times 10^{-6} \times L$ in μm Interferential measurement, distance dimension, parallelism		< 310		530,00 €
		450		801,00 €
		610		1.056,00 €
		750		1.772,00 €
		770		1.772,00 €
		1010		2.920,00 €
		1150		
1510				
Optical Parallel Test: parallelism and flatness deviation according to JIS B 7431		per piece	39,00 €	
Optical Flat Test: flatness deviation according to JIS B 7431		≤ 100	55,00 €	
Cylindrical Square Test: Cylindricity shape / 5 roundness / 4 diametrical surface lines		< 600 mm	402,00 €	Price on request
Cylindrical Measuring Pin Specification: DIN 2269 Test: Diameter in 3 positions		per piece	7,00 €	Price on request
		more than 90 pcs	4,00 €	Price on request
Thread Measuring Wires 3 pcs-Set		per piece	#NV	Price on request
		per piece	24,00 €	Price on request
Depth Setting Standard according to DIN EN ISO 5436-1 and DIN EN ISO 21920-2		first groove		324,00 €
		each additional groove		75,00 €
Roughness Specimen / Roughness Specimen very fine Geometry Specimen Test of roughness specifications: Ra, Rz, Rzx(l) according to DIN EN ISO 21920-2 and 3 DIN EN ISO 16610-21, DIN EN ISO 3274		each measuring surface		315,00 €
Glass Scale accredited calibration only up to 400 mm, measurement uncertainty depending on the quality of the scale mark: $U=0.15 + 0.2 \times 10^{-6} \times L$ in μm		standard price incl. 10 scale divisions		430,00 €
		each additional scale division		zusätzliche Striche 2€
Pixel Calibration-chart for calibration of field of view for optical 3-CMMs from Mitutoyo		Code-No.: 02AKN020 02ATN695		545,00 €
Linear Scale Comparison measurement with DAkkS-calibrated laser interferometer $U[k=2]=$ depending on the resolution and length of the scale		100 mm - 600 mm	427,00 €	
		>600 mm - 1500 mm	546,00 €	
Reference Hemisphere		Multistep	294,00 €	Price on request
Steel/Ceramic CMM Reference Spheres (Masterball) from 5 to 30mm diameter 2 point diameter in 3 rotated by 60° cuts and one measurement for roundness deviation			124,00 €	Price on request
		Masterball to borrow	30,-€ + shipping costs	
		fix loose sphere	29,00 €	
Gauges				
Cylindrical Plug Gage DIN 7164 Fits DIN 7162 Test guideline: VDI/VDE/DGQ		20	16,00 €	Price on request
		> 20 - 60	19,00 €	Price on request
		> 60 - 100	21,00 €	Price on request
		>100 - 200	35,00 €	Price on request

Description	Picture	Measuring range/size = max. nominal dimension in mm	Price in € excl. VAT for proprietary (ISO-) calibration	Price in € excl. VAT for DAkkS calibration (DIN EN ISO/IEC 17025)
OK - NOK Gauge DIN 7164, Fits DIN 7162 Test guideline: VDI/VDE/DGQ		≤ 20	16,00 €	Price on request
		> 20 - 60	19,00 €	Price on request
		> 60 - 100	21,00 €	Price on request
		> 100 - 200	35,00 €	Price on request
		> 200	on request	Price on request
Ring Gauges Accuracy DIN 2250 C Test guideline: VDI/VDE/DGQ 2618 Page 4.1 DAkkS-Calibration according Option 3 (Diameter in plane 2, section A-B) DAkkS-Calibration according Option 4 (Diameter in three planes, section A-B and C-D) with known form deviations (Roundness, Straightness and Parallelism)		0		Option 3 Option 4
		< 4	29,00 €	Price on request
		≥ 4 - 50		35,00 € on request
		> 50 - 100		52,00 € on request
		> 100 - 200		73,00 € on request
		> 200 - 300		112,00 € on request
		> 300	on request	Price on request
Accessories				
Interchangeable Anvils for Micrometers (incl. adjustment)		per piece	11,00 €	18,00 €
Interchangeable Sphere, Anvils/Spindle Tips in matching pairs for Micrometer		per pair	30,00 €	Price on request
Depth Base attachment for Caliper, Micrometer or Dial Gauge Test: function and flatness		per piece	18,00 €	Price on request
Riser Block for Height Master Checking the contact area		≤ 300	109,00 €	Price on request
		600	109,00 €	Price on request
		50	17,00 €	
Jaws as Accessories for Rectangular Gauge Blocks		100	28,00 €	
Stationary Measuring Machines				
Contracer (contour measuring machines) Test according to manufacturer specifications			on request info@mitutoyo.de	
Dial Indication Tester Test according to manufacturer specifications		bis 25 mm		264,00 €
		bis 100 mm		1.236,00 €
		Calibration		1.236,00 €
Mitutoyo i-Checker Test according to manufacturer specifications		Hard- and Software- Installation	158,00 €	
Surface Roughness Tester (stationary) Test according to manufacturer specifications			on request info@mitutoyo.de	
Surface Roughness 2xx-series Test according to manufacturer specifications			177,60	
Surface Roughness 3xx-series Test according to manufacturer specifications			177,60	
Surface Roughness 4xx-series Test according to manufacturer specifications			475,00	
Laser Scan Micrometer		up to D=60 mm	436,00 €	
Height Linear Gauge				
Type: LITEMATIC		50 mm	220,00 €	
Surftest				
Typ: SJ 201 / 210 / 220 / 301 / 310			177,60 €	
Measuring probe SJ			177,60 €	

3-Coordinate Measuring Machines (CMM)				
3-CMM An in-house calibration is understood to include additional costs (e.g. expenses, etc.) that can be requested.				on request info@mitutoyo.de
Optical 3-Coordinate Measuring Machines (VMM)				
VMM An in-house calibration is understood to include additional costs (e.g. expenses, etc.) that can be requested.				on request info@mitutoyo.de
Profile Projectors				on request info@mitutoyo.de
Microscopes		2D-Microscope		596,00 €
		3D-Microscope		on request info@mitutoyo.de
Laserinterferometer				
Laserinterferometer for length $U[k=2] = 0,05 \mu\text{m} + 0,5 \times 10^{-6} \times L$		of manufacturer Renishaw, Agilent, Keysight, other manufacturers on request 0 mm to 6000 mm		4.217,00 €
Various				
Description	Picture	Measuring range/size = max. nominal dimension in mm	Price in € excl. VAT for proprietary (ISO-) calibration	Price in € excl. VAT for DAkkS calibration (DIN EN ISO/IEC 17025)
Service Contracts			on request info@mitutoyo.de	
Battery change for example: SR 44			6,00 €	
Calibration mark			1,25 €	
Engraving (only as part of a calibration) max. workpiece size 500 mm		to 10 letters	10,00 €	
		11 to 20 letters	20,00 €	
Contract measurements, special calibrations, contract programming in		per hour	158,00 €	
Additional cleaning costs for excessive contamination		per hour	158,00 €	