



## Calibration price list

valid from 10.06.2024

Mitutoyo Deutschland GmbH  
Kalibrierlabor  
Borsigstr. 8-10  
41469 Neuss

Head of department: Hans-Günter Schwieren  
Tel.: (0 21 37) 102-413  
E-Mail: info.dkd@mitutoyo.de

Administration calibration lab: Heike Höning  
Tel.: (0 21 37) 102-411  
E-Mail: info.dkd@mitutoyo.de

### \*\*\*\*\* IMPORTANT INFORMATION \*\*\*\*\*

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.

#### 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







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)
<b>SMALLTOOLS</b>				
<b>Caliper</b>				
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 <sup>-6</sup> x L (< 500mm) U = 50 µm + 30 x 10 <sup>-6</sup> x L (> 500mm)		≤ 200	10,50 €	18,50 €
		> 200 - 300	17,00 €	30,50 €
		> 300 - 500	25,00 €	44,50 €
		> 500 - 1000	47,50 €	84,50 €
		> 1000 - 2000	80,00 €	143,50 €
		> 2000 - 3000	134,50 €	
<b>Depth Gauge</b>				
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 <sup>-6</sup> x L		≤ 200	10,50 €	18,50 €
		> 200 - 300	17,00 €	30,50 €
		> 300 - 500	25,00 €	44,50 €
		> 500 - 1000	47,50 €	84,50 €
		> 1000 - 2000	80,00 €	
		> 2000 - 3000		
Depth Gauge Hook Type Test guideline: VDI/VDE/DGQ Vernier, clock and digital calipers		≤ 200	11,50 €	20,50 €
		> 200 - 300	18,00 €	32,50 €
		> 300 - 500	33,50 €	
		> 500 - 1000	50,00 €	
		> 1000 - 1500	89,00 €	
		> 1500 - 2000		
<b>Micrometer</b>				
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 <sup>-6</sup> x L These prices apply to initial values from > 25 mm price for the setting gauge additionally		≤ 100	21,00 €	37,50 €
		> 100 - 200	28,00 €	50,50 €
		> 200 - 300	32,50 €	58,50 €
		> 300 - 500	39,00 €	70,50 €
		> 500 - 600	50,50 €	
		> 600 - 800	56,00 €	
		> 800 - 1000	67,00 €	
		> 1000 - 2000	98,00 €	
		Mitutoyo 293-100 with 0,0001 - 25 mm and U[k=2]=0,5µm + 2x10xE-6xL		37,50 €
		<b>V-Anvil Micrometer</b>		
Construction according to DIN 863/3 Test guideline: on the basis of VDI/VDE/DGQ Price for the setting gauge additionally		0 - 25	22,50 €	Price on request
		> 25 - 40	26,00 €	Price on request
		> 40 - 100	31,50 €	Price on request
		> 100 - 150	36,00 €	Price on request
		> 150 - 200		
<b>Indicating Micrometer</b>				
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	41,50 €	Price on request
		> 25 - 100	68,00 €	Price on request
		> 100 - 200	75,00 €	Price on request
<b>Depth Micrometer and Micrometer Heads</b>				
(Range up to 25mm) Test guideline: VDI/VDE/DGQ		0 - 25	28,00 €	Price on request
		> 25 - 50	51,50 €	Price on request
<b>Caliper Jaw Inside Micrometer</b>				
Test guideline: on the basis of VDI/VDE/DGQ		0 - 50	22,50 €	Price on request
		> 50 - 75	29,00 €	Price on request
		> 75 - 100	36,50 €	Price on request
		> 100 - 200	45,50 €	Price on request
<b>Tubular Inside Micrometer</b>				
(Range up to 25 mm) Test guideline: VDI/VDE/DGQ		0 - 100	22,50 €	Price on request
		> 100 - 200	26,00 €	Price on request
		> 200 - 400	32,50 €	Price on request
		> 400 - 600	39,00 €	
		> 600 - 1050	60,00 €	
<b>Holetest / Borematic</b>				
(Range up to 25 mm) Test guideline: VDI/VDE/DGQ or DIN		0 - 20		32,50 €
		> 20 - 50		40,50 €
		> 50 - 100		49,00 €
		> 100 - 150	40,50 €	Price on request
		> 150 - 200	47,00 €	Price on request
		> 200 - 250	56,00 €	Price on request
> 250 - 300	65,00 €	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)
<b>Indicators analogue/digital</b> Test guideline: VDI/VDE/DGQ Test according to manufacturer specifications <u>Accredited calibration (DAkkS)</u> Uncertainty of measurement: Dependent of scale / construction		≤ 13	19,50 €	34,50 €
		> 13 - 30,4	25,00 €	44,50 €
		> 30,4 - 60,9	39,00 €	70,50 €
		> 60,9 - 100	72,50 €	130,50 €
<b>Inductive probe with Display</b> Test according to manufacturer specifications Test guideline: VDI/VDE/DGQ		-	43,00 €	Price on request
<b>Dial Indicator</b> Test guideline: VDI/VDE/DGQ Test according to manufacturer specifications Accredited calibration (DAkkS) Uncertainty of measurement: U = 0,6µm		-	19,50 €	34,50 €
<b>Bore Gauges for small holes</b> Test according to manufacturer specifications Indicator additional		18-600	34,50 €	Price on request
<b>Bore Gauges for small holes</b> Test according to manufacturer specifications Indicator additional (Price above)		1,5	55,50 €	Price on request
		4	38,50 €	Price on request
		10	38,50 €	Price on request
		18	38,50 €	Price on request
<b>Lever Indicator</b> Test according to manufacturer specifications Test guideline: VDI/VDE/DGQ <u>Accredited calibration (DAkkS)</u> Uncertainty of measurement: U = 0,8µm		1,5	25,00 €	44,50 €
<b>Measuring Standard</b>				
<b>Thickness Gauge</b> Test according to manufacturer specifications Indicator additional (Price above)		-	16,00 €	Price on request
<b>Internal / External Dial Caliper Gauge</b> Test according to manufacturer specifications Test guideline: VDI/VDE/DGQ		-	21,00 €	Price on request
<b>Height Gauge</b> Test guideline: VDI/VDE/DGQ <u>Accredited calibration (DAkkS)</u> Uncertainty of measurement: U = 30 µm + 30 x 10 <sup>-6</sup> x L		0 - 300	29,00 €	52,50 €
		> 300 - 600	56,00 €	100,50 €
		> 600 - 1000	107,00 €	192,50 €
		> 1000 - 1500	214,00 €	

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)
<b>Digital Height Gauge / Linear Height / QM-Height</b> Test guideline: VDI/VDE/DGQ		0 - 1000		428,00 €
<b>Setting Block</b>		-	50,50 €	
<b>Heightmaster</b> Test guideline: VDI/VDE/DGQ		0 - 300	405,00 €	Price on request
		> 300 - 600	513,00 €	Price on request
<b>Protractor analogue and digital</b> Test guideline: VDI/VDE/DGQ max. 500 mm		-	45,50 €	Price on request
<b>Measuring Tape</b> max. length in „mm“ Test according to manufacturer specifications		≤ 5500	33,50 €	
<b>Precision Square Level</b> Test according to manufacturer specifications		-	67,00 €	Price on request
<b>Level Gauge</b> Test according to manufacturer specifications		-	39,00 €	Price on request
<b>Dial Snap Gauge</b> Test guideline: VDI/VDE/DGQ Flatness & Parallelism Indicator additional (Price above)		200	33,50 €	Price on request
<b>Coating Thickness Measuring Instrument</b>		-	91,50 €	
<b>Calibration Film</b> (for Thickness Measuring Instruments)		-	10,00 €	
<b>Hardnesstester (portable)</b> Shore A/D Rockwell, Vickers und Brinell According to Leeb		Shore A/D, HRC, V, HB	50,00 €	
		Leeb	125,00 €	
<b>Reference Material Shore A and B</b>		pro Stück	17,00 €	
<b>90° Steel Squares</b> Test guideline: VDI/VDE/DGQ maximum leg length		≤ 100	16,00 €	Price on request
		≤ 200	20,50 €	Price on request
		≤ 500	33,50 €	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)
<b>Knife Edge / Straight Edge</b> Test guideline: VDI/VDE/DGQ max. length in mm		≤ 500	22,00 €	Price on request
		> 500 - 1600	Price on request	Price on request
<b>Steel Ruler DIN 866</b> Test: Form A and B max. length in mm incl. 10 similar distances per single distance € 2,- additionally		≤ 400		427,00 €
		>400 -1600	135,00 €	
<b>Sine Bar</b> Test: corresponding to DIN 2273		200	82,00	Price on request
		300	87,50	Price on request
		500	96,00	Price on request
<b>Standard-Measuring-Plate for Measuring Projector</b> Test according to manufacturer specifications		Basic Price	285,00	
		each additional	10,00	
<b>Setting Gauge for Micrometer</b> with flat measuring surface Accredited calibration (DAKkS) Uncertainty: U = 1 μm + 10 x 10 <sup>-6</sup> x L on request U = 0,3 μm + 0,6 x 10 <sup>-6</sup> x L		≤ 100	10,50	23,00
		> 100 - 500	17,00	42,00
		> 500 -1000	50,00	124,00
		> 1000 - 1550	98,00	Price on request
<b>Setting Standard V-Anvil Micrometer</b> Test according to manufacturer specifications Calibration Method: Average 2-point diameter from 3 measurements rotated by 60°		≤ 10	10,50	Price on request
		> 10 - 100	17,00	Price on request
		> 100		
<b>Setting Standard for Screw Thread Micrometer</b> Calibration-Method: tip distance + Angle of rear sight + cone		≤ 100	17,00	Price on request
		> 100 - 200	32,50	Price on request
		> 200 - 300	45,50	Price on request
		> 300 - 400	56,00	Price on request
<b>Interchangeable rods for Depth micrometer</b> Test according to manufacturer specifications		≤ 200	13,50	Price on request
		> 200 - 400	18,00	Price on request
<b>Extension Pipe for Tubular Inside Micrometer</b> Test according to manufacturer specifications		≤ 100	8,50	Price on request
		> 100 - 300	16,50	Price on request
		> 300 - 500	25,00	Price on request
		> 500 - 1000	42,00	
		> 1000 - 3000	196,00	
<b>Steel Gauge Block</b> Nominal dimension 0.5 mm to 100 mm incl. one calibration certificate, each additional calibration certificate costs €16.00		per piece		23,00
				U=0,05 μm + 0,5 x 10 <sup>-6</sup> x L
<b>Ceramic Gauge Block</b> Nominal dimension 0.5 mm to 100 mm incl. one calibration certificate, each additional calibration certificate costs €16.00		per piece		23,00 €
				U=0,07 μm + 0,5 x 10 <sup>-6</sup> x L
<b>Ceramic and Steel Gauge Block</b> in any length Nominal dimension 0.5 mm to 100 mm incl. one calibration certificate, each additional calibration certificate costs €16.00		per piece		46,00 €
		only 41,3mm		23,00 €
		Gauge Block < 0,5 mm apiece	23,00 €	
<b>Tungsten Carbide Gauge Block</b> Nominal dimension 0.5 mm to 100 mm		per piece		27,00 €
<b>Steel, Ceramic, Tungsten Carbide, Nexcera or Zerodur Gauge Block</b> Nominal dimension 100 mm to 1000 mm incl. one calibration certificate, each additional calibration certificate costs €16.00		> 100 - 250		78,00 €
		> 250 - 500		198,00 €
		> 500 - 1000		250,00 €

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)
<b>Steel and Ceramic Step Gauges / Checkmaster</b> Accredited calibration $U=0.14 + 0.37 \times 10^{-6} \times L$ in $\mu\text{m}$ 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 $\mu\text{m}$ Interferential measurement, distance dimension, parallelism		< 310		515,00 €
		450		778,00 €
		610		1.025,00 €
		750		1.720,00 €
		770		1.720,00 €
		1010		2.835,00 €
		1150		
1510				
<b>Optical Parallel</b> Test: parallelism and flatness deviation according to JIS B 7431		per piece	38,00 €	
<b>Optical Flat</b> Test: flatness deviation according to JIS B 7431		$\leq 100$	53,50 €	
<b>Cylindrical Square</b> Test: Cylindricity shape / 5 roundness / 4 diametrical surface lines		300	390,00 €	
		600	779,00 €	Price on request
<b>Cylindrical Measuring Pin</b> Specification: DIN 2269 Test: Diameter in 3 positions		per piece	6,50 €	Price on request
		more than 90 pcs	4,00 €	Price on request
		per piece	31,50 €	Price on request
<b>Thread Measuring Wires</b> 3 pcs-Set		per piece	23,50 €	Price on request
<b>Depth Setting Standard</b> according to DIN EN ISO 5436-1 and DIN EN ISO 21920-2		first groove		315,00 €
		each additional groove		75,00 €
<b>Roughness Specimen / Geometry Specimen</b> 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 €
<b>Roughness Specimen very fine</b> 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		335,00 €
<b>Glass Scale</b> 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 $\mu\text{m}$ Pixel Calibration-chart for calibration of field of view for optical 3-CMMs from Mitutoyo		standard price incl. 10 scale divisions		427,00 €
		each additional scale division		2,00 €
		Code-No.: 02AKN020		529,00 €
<b>Linear Scale</b> Comparison measurement with DAkkS-calibrated laser interferometer $U[k=2]$ =depending on the resolution and length of the scale		100 mm - 600 mm	415,00 €	
		>600 mm - 1500 mm	530,00 €	
<b>Reference Hemisphere</b>  <b>Steel/Ceramic CMM Reference Spheres (Masterball)</b> from 5 to 30mm diameter 2 point diameter in 3 rotated by 60° cuts and roundness deviation		Multistep	285,00 €	
			120,00 €	Price on request
		Masterball to borrow	30,-€ + shipping costs	
		fix loose sphere	28,50 €	
<b>Gauges</b>				
<b>Cylindrical Plug Gage DIN 7164</b> Fits DIN 7162 Test guideline: VDI/VDE/DGQ		20	16,00 €	Price on request
		> 20 - 60	18,00 €	Price on request
		> 60 - 100	21,00 €	Price on request
		>100 - 200	33,00 €	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)
<b>OK - NOK Gauge</b> DIN 7164, Fits DIN 7162 Test guideline: VDI/VDE/DGQ		≤ 20	16,00 €	Price on request
		> 20 - 60	18,00 €	Price on request
		> 60 - 100	20,50 €	Price on request
		> 100 - 200	33,50 €	Price on request
		> 200	on request	Price on request
<b>Ring Gauges</b> Accuracy DIN 2250 C Test guideline: VDI/VDE/DGQ 2618 Page 4.1 <b>DAkkS-Calibration according Option 3</b> (Diameter in plane 2, section A-B) <b>DAkkS-Calibration according Option 4</b> (Diameter in three planes, section A-B and C-D) with known form deviations (Roundness, Straightness and Parallelism)		0		<b>Option 3</b>   <b>Option 4</b>
		≤ 5	28,00 €	Price on request
		> 5 - 50		34,00 €   on request
		> 50 - 100		50,00 €   on request
		> 100 - 200		70,50 €   on request
		> 200 - 300		109,00 €   on request
		> 300	on request	Price on request
<b>Accessories</b>				
<b>Interchangeable Anvils</b> for Micrometers (incl. adjustment)		per piece	11,00 €	17,00 €
<b>Interchangeable Sphere, Anvils/Spindle Tips in matching pairs for Micrometer</b>		per pair	29,00 €	Price on request
<b>Depth Base attachment for Caliper, Micrometer or Dial Gauge</b> Test: function and flatness		per piece	17,00 €	Price on request
<b>Riser Block for Height Master</b> Checking the contact area		300	72,50 €	Price on request
		600	106,00 €	Price on request
		100	28,00 €	
<b>Jaws as Accessories for Rectangular Gauge Blocks</b>				
		50	17,00 €	
		100	28,00 €	
<b>Stationary Measuring Machines</b>				
<b>Contracer (contour measuring machines)</b> Test according to manufacturer specifications			on request info@mitutoyo.de	
<b>Dial Indication Tester</b> Test according to manufacturer specifications		bis 25 mm		256,00 €
		bis 100 mm		1.200,00 €
		Calibration		1.200,00 €
<b>Mitutoyo i-Checker</b> Test according to manufacturer specifications		Hard- and Software- Installation	130,00 €	
<b>Surface Roughness Tester (stationary)</b> Test according to manufacturer specifications			on request info@mitutoyo.de	
<b>Surface Roughness 2xx-series</b> Test according to manufacturer specifications			220,80	
<b>Surface Roughness 3xx-series</b> Test according to manufacturer specifications			349,60	
<b>Surface Roughness 4xx-series</b> Test according to manufacturer specifications			460,00	
<b>Laser Scan Micrometer</b>		up to D=60 mm	423,00 €	
<b>Height Linear Gauge</b>				
<b>Type: LITEMATIC</b>		50 mm	214,00 €	
<b>3-Coordinate Measuring Machines (CMM)</b>				
<b>3-CMM</b> An in-house calibration is understood to include additional costs (e.g. expenses, etc.) that can be requested.				on request info@mitutoyo.de
<b>Optical 3-Coordinate Measuring Machines (VMM)</b>				
<b>VMM</b> An in-house calibration is understood to include additional costs (e.g. expenses, etc.) that can be requested.				on request info@mitutoyo.de
<b>Profile Projectors</b>				on request info@mitutoyo.de
<b>Microscopes</b>		2D-Microscope		579,00 €
		3D-Microscope		on request info@mitutoyo.de
<b>Laserinterferometer</b>				
<b>Laserinterferometer for length</b> U[k=2] = 0,05 µm + 0,5 x 10 <sup>-6</sup> x L	of manufacturer Renishaw, Agilent, Keysight, other manufacturers on request	0 mm to 6000 mm		4.094,00 €

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)
<u>Service Contracts</u>			on request info@mitutoyo.de	
<u>Battery change for example: SR 44</u>			6,00 €	
<u>Calibration mark</u>			1,20 €	
<u>Engraving (only as part of a calibration)</u>		to 10 letters	10,00 €	
<u>max. workpiece size 500 mm</u>		11 to 20 letters	20,00 €	
<u>Contract measurements, special calibrations, contract programming in</u>		per hour	158,00 €	
<u>Additional cleaning costs for excessive contamination</u>		per hour	158,00 €	