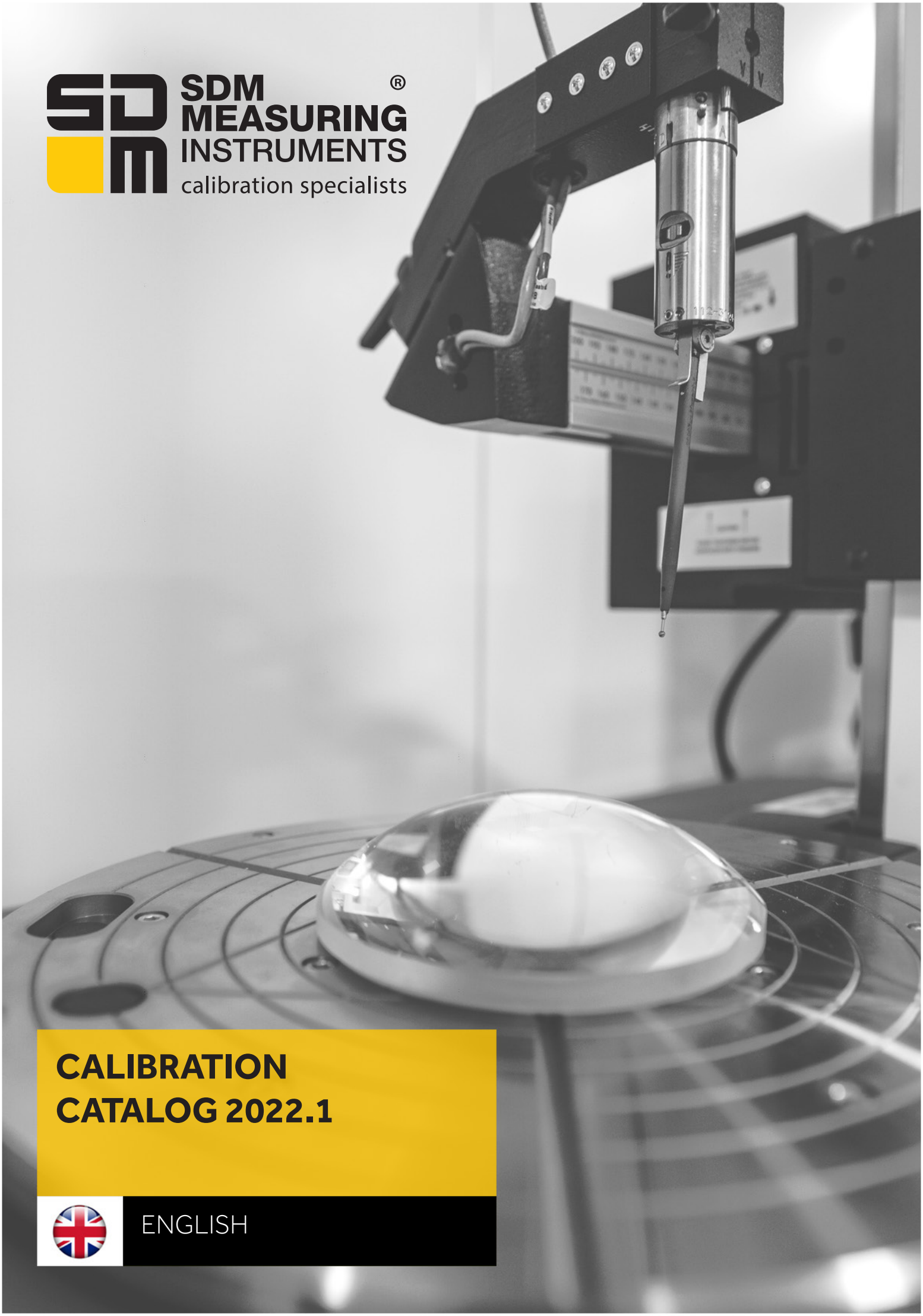
SDM MEASURING INSTRUMENTS®
calibration specialists



CALIBRATION CATALOG 2022.1

ENGLISH

EXPERIENCE, COMPETENCE, COMPETITIVENESS. FOR 30 YEARS.

Our company was founded in 1992 as a Tuscan distributor of measuring machines and instruments; in those years quality certification systems pushed the need to perform metrological confirmation for measuring instruments.

We quickly understood this industrys's needs: in 1996 the calibration laboratory was established, in 2001 we were accredited as SIT Centre n.142, and later in 2011, by ACCREDIA, which had taken over as the National Accreditation and Certification Agency, as LAT n.142.

Today we perform calibrations for more than 100 types of instruments in many different industrial sectors. This is made possible by the experience and professionalism of 22 employees, who work in a perfect synergy of assignments and skills, and of our two founding partners, Alessandro and Simone Landucci, who are in charge of the commercial and technical areas, respectively.

In more than 20 years of activity as a metrological calibration laboratory, we have relentlessly pursued the highest quality and optimization of all processes, being able to foresee and realize the innovations and refinements that such a complex market requires, always ahead of times and always aiming to continuously improve and give constant attention to our customers' needs.

QUALITY POLICY

S.D.M. Measuring Instruments, in line with its business philosophy based on the ability to adapt to market needs, is committed to pursuing the requirements of UNI EN ISO 9001:2015 and UNI CEI EN ISO/IEC 17025:2018, to identify and meet the expected needs of its customers and relevant stakeholders, to achieve competitive advantages, to achieve and maintain performance and organizational technical capabilities.

Particular attention is paid to confidentiality of customer data and impartiality of measurement results.

All staff is committed, also through a formal commitment letter, to confidentiality and impartiality on test, calibration and periodic inspection results, and on any other information, which is acquired or generated during the performance of their duties.

The Quality Management System is also based on a risk-based thinking approach, that allows the organization to determine the factors that could lead to deviations in processes from the norms, and to put in place preventive controls to minimize the negative effects and make the most of the opportunities offered by the market.

This Quality Policy is therefore the result of the commitment of the Management, also through the work of all staff, in continuously improving in the following areas: - Continuous satisfaction of the needs of its customers and stakeholders relevant to the Quality Management System – Continuous satisfaction of technical service requirements Continuous improvement of the skills of its staff - Continuous improvement of its performance, optimizing internal processes. - The development of new services, both inside and outside the scope of accreditation.

On the basis of the principles outlined above, objectives are set out, detailed in special documents, which are monitored at the annual reviews by the management, in order to improve the effectiveness of the Quality management system.

The areas of interest to these objectives are: - Responsiveness to customer needs - Compliance with technical requirements - Staff competence - Continuous development, methodologies and equipment. To achieve the objectives set by the management, S.D.M. Measuring Instruments puts its incessant commitment to provide adequate resources.

To ensure understanding and sharing, this document is disseminated to all levels of the organization through dedicated training.

INDEX

SELF-CENTERING BORE MEASURING GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 1.1	Bore gauge

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 1.1	Bore gauge

NOTES: The bore gauge is calibrated in combination with the dial gauge supplied as a display. The above price is for each individual bore gauge. The prices for the two or three meter series are valid when they are part of a single package.
Photo 1 represents a kit of 3 bore measuring instruments.

CUT BALL BORE

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 1.2	Bore gauge

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 1.2	Bore gauge

NOTES: The above prices refer to a single ball head calibrated in combination with the bore gauge and display units (comparator or transducer). For additional measuring heads, the same price shall be taken into account for each.

Split ball measuring head

GAUGE TYPE BORE MEASURING

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 1.3	Bore gauge

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 1.3	Bore gauge

Gauge type measuring head

NOTES: The above prices refer to a single ball head calibrated in combination with the bore gauge and display units (comparator or transducer). For additional measuring heads, the same price shall be taken into account for each.

THINGS TO KNOW ABOUT CALIBRATION OF BORE GAUGES

The bore gauge measures by comparison, therefore it must be zeroed on a zero setting ring before use. The inspection as above does not include the inspection of the corresponding zero setting ring gauge, please check the relevant section of setting ring gauges.
For the inspection of the bore gauge it is necessary to use its original display unit, i.e. an analogic or digital dial gauge, display unit or column display. If we receive the bore gauge without the corresponding display unit, it will be inspected using our high accuracy display unit.

HEIGHT MEASURING GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 75.1	Height gauge 0 – 300 mm
RDT 75.3	Height gauge 0 – 600 mm
RDT 75.4	Height gauge 0 – 1000 mm
RDT 75.5	Height gauge 0 – 1500 mm

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 17.1	Hight Gauge up to 300 mm
LAT 17.2	Hight Gauge up to 600 mm
LAT 17.3	Hight Gauge up to 1000 mm

GO OR NO-GO CYLINDRICAL THREADED RING GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 3.1	Threaded ring gauge – 3 to 20 mm
RDT 3.2	Threaded ring gauge – 20 to 50 mm
RDT 3.3	Threaded ring gauge – 50 to 75 mm
RDT 3.4	Threaded ring gauge – 75 to 150 mm

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 1.50	Threaded ring Gauge - from 3 mm up to 120 mm

NOTES: The above prices refer to a single ring gauge, GO or NO-GO gauge. The calibration of the threaded rings P or NP involves the verification of n. 3 diameters at three different heights, **for a total of n. 3 diametrical measurements**. Different methods of verification from the standard method are possible, but must be expressly requested.

NO. 3 DIAMETRICAL MEASUREMENTS
AT THREE DIFFERENT HEIGHTS

GO OR NO-GO TAPERED THREADED RING GAUGES

CALIBRATION REPORT

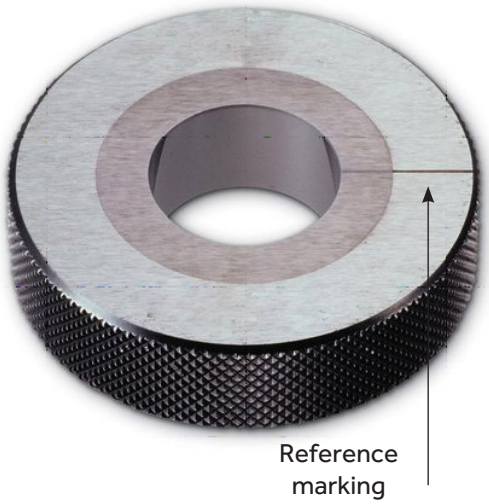
CODE	DESCRIPTION
RDT 3.6	Threaded ring gauge – 3 to 20 mm
RDT 3.7	Threaded ring gauge – 20 to 50 mm
RDT 3.8	Threaded ring gauge – 50 to 75 mm
RDT 3.9	Threaded ring gauge – 75 to 150 mm

NOTES: The above prices are for **NPT**; **NPTF** and **NGT** tapered threads .
Different threads cannot not currently be inspected at our calibration center.

ZERO SETTING CYLINDRICAL PLAIN RING GAUGES

CALIBRATION REPORT

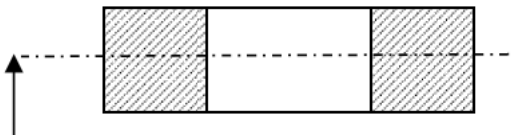
CODE	DESCRIPTION
RDT 4.1	Plain ring gauge – 1 to 20 mm
RDT 4.2	Plain ring gauge – 20 to 50 mm
RDT 4.3	Plain ring gauge – 50 to 75 mm
RDT 4.4	Plain ring gauge – 75 to 100 mm
RDT 4.5	Plain ring gauge – 100 to 150 mm
RDT 4.6	Plain ring gauge – 150 to 200 mm
RDT 4.7	Plain ring gauge – 200 to 250 mm
RDT 4.81	Plain ring gauge – 250 to 300 mm
RDT 4.91	Plain ring gauge – 300 to 600 mm



LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 1.30	Plain ring gauge – from 1,5 up to 5 mm
LAT 1.31	Plain ring gauge – from 5 up to 250 mm

NOTES: The calibration of the cylindrical zero-setting plain ring gauges provides for the inspection of 1 diameter at the marking on the center line of the thickness of the ring, **for a total of 1 diameter measurement**. Different methods of verification from the standard method are possible, but must be expressly requested.

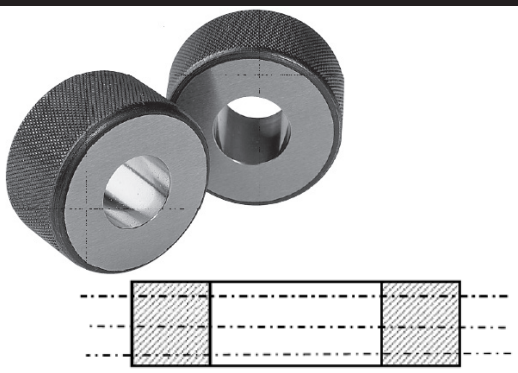


Verification of 1 diameter at center line

GO OR NO-GO CYLINDRICAL PLAIN RING GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 4.8	Plain ring gauge – 1 to 20 mm
RDT 4.9	Plain ring gauge – 20 to 50 mm
RDT 4.10	Plain ring gauge – 50 to 75 mm
RDT 4.11	Plain ring gauge – 75 to 100 mm
RDT 4.12	Plain ring gauge – 100 to 150 mm
RDT 4.13	Plain ring gauge – 150 to 200 mm
RDT 4.14	Plain ring gauge – 200 to 250 mm



Verification of No. 3 diameters at 3 different heights

LAT/ACCREDIA CALIBRATION CERTIFICATE

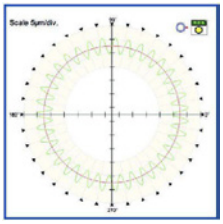
CODE	DESCRIPTION
LAT 1.40	Plain ring Gauge - from 1,5 up to 5 mm
LAT 1.4	Plain ring Gauge - from 5 up to 250 mm

NOTES: The prices indicated above refer to a single ring gauge, therefore the GO or NO-GO gauge. The calibration of the cylindrical GO or NO-GO plain ring gauges includes the inspection of 3 diameters at three different heights, **for a total of 3 diameter measurements**. Different methods of verification from the standard method are possible, but must be expressly requested.

In option

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 208.1	Roundness control



LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 33.1	Internal cylindrical standard – roundness control

NOTES: The calibration can be performed on cylindrical and spherical objects and on flick standards (such as ring gauges, plug gauges, cylindrical pins, spheres/hemispheres etc.) whose diameter ranges from 1,5 to 300 mm; the maximal roundness deviation is 1000 µm.

TAPER PLAIN RING GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 5	Taper plain ring gauge

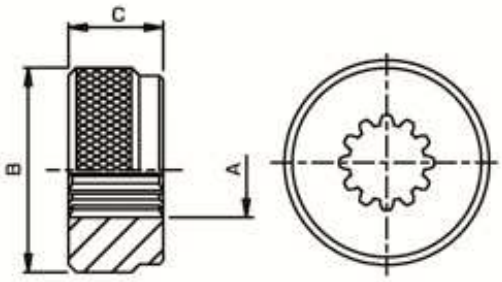
NOTES: The above price is the characterization of a maximum of n. 4 dimensional dimensions with Zeiss CMM, such as angle, cone point, max. diameter and minimum diameter, it is always necessary to include a technical drawing or a previous certificate and/or calibration report issued by the manufacturer. Characteristics to be controlled, other than those described above, must be expressly requested and confirmed.

GO OR NO-GO SPLINE RING GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 5.1	GO or NO-GO spline ring gauge

NOTES: The price indicated above consists in the characterization of the diameter with rollers and it is possible only for grooved rings having teeth with straight sides, and not with a helix, it is always necessary to include a technical drawing or a previous certificate and/or calibration report issued by the manufacturer.



DIAL GAUGE INSPECTION DEVICE

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 27	Dial Gauge inspection device

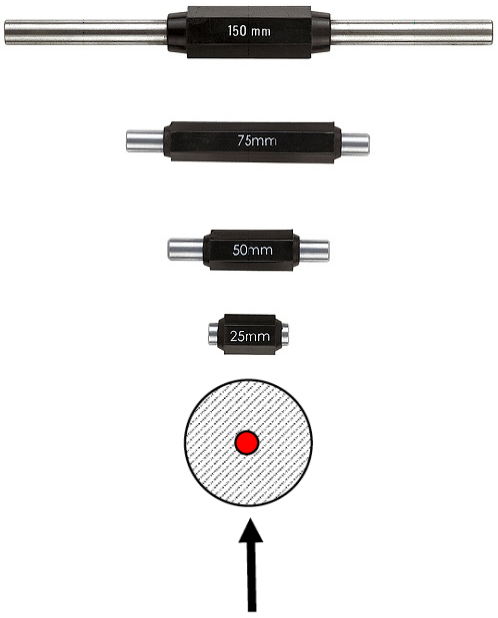
ZERO SETTING RODS FOR MICROMETERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 9.1	Zero setting rod – Up to 100 mm
RDT 9.2	Zero setting rod – 100 to 200 mm
RDT 9.3	Zero setting rod – 200 to 300 mm
RDT 9.4	Zero setting rod – 300 to 400 mm
RDT 9.5	Zero setting rod – 400 to 500 mm
RDT 9.6	Zero setting rod – 500 to 675 mm
RDT 9.7	Zero setting rod – 675 to 1000 mm

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 2.21	Zero setting rod – Up to 100 mm
LAT 2.3	Zero setting rod - over 100 up to 200 mm
LAT 2.4	Zero setting rod - over 200 up to 300 mm
LAT 2.5	Zero setting rod - over 300 up to 400 mm
LAT 2.6	Zero setting rod - over 400 up to 675 mm



1 length measurement at the center of the surface

NOTES: The calibration of the zero setting rods involves the characterization of the length through n. 1 measurements at the center of the surface of the zero-setting rod **for a total of 1 length measurements.** On rods having the two contact surfaces parallel to each other and without a radius, it is possible to characterize the length in a different manner, up to a maximum of 5 different length measurements, defining length variation.

ZERO SETTING GAUGE - PRESET

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 65	Dial gauge – Zero setting gauge

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 65	Dial Gauge - Zero setting Gauge

SINE BAR

CALIBRATION REPORT

CODE	DESCRIPTION
RDT10	Barra Seno

NOTES: The above price consists in the characterization of the distance between the rollers and the verification of the flatness of the surface.

JAWS FOR BLOCK GAUGE HOLDERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 11	Jaws for block gauge holder (pair)

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 3.0	Jaws for gauge blocks holder (pair)

NOTES: Inspection of block holders includes the measurement of the thickness in the middle + inspection of flatness.

SCALES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 12.1	Scale – Up to 50 Kg
RDT 12.2	Scale – 50 to 150 Kg
RDT 12.3	Scale – 150 to 350 Kg
RDT 12.4	Scale – 350 to 1000 Kg
RDT 12.5	Scale – 1000 to 2000 Kg
RDT 12.6	Scale – 2000 to 3000 Kg
RDT 12.7	Scale – 3000 to 4000 Kg

NOTES: Scales over 1000 kg are inspected using reference masses up to 1000 kg, and using ballast for progression to full scale.

ANGLE GAUGE BLOCKS

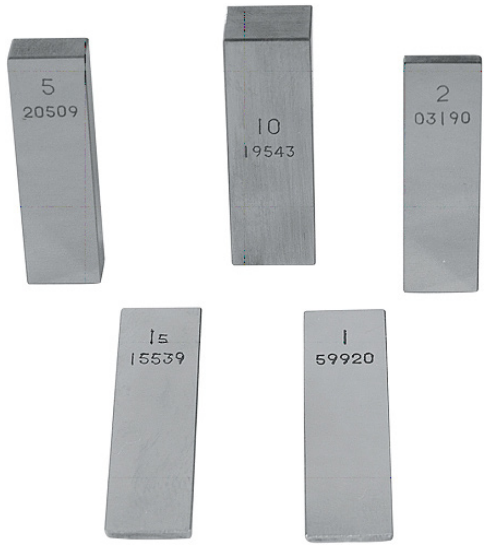
CALIBRATION REPORT

CODE	DESCRIPTION
RDT 13.1	Angle block gauge
RDT 13.2	Angle block gauge – Series 2 up to 5 block gauges
RDT 13.3	Angle blocks – Series more than 5 up to 10 block gauges

GAUGE BLOCKS UP TO 100 MM

CALIBRATION REPORT

DESCRIPTION	CODE	CLASS G
Single block gauge	RDT 14.40	
Series 2 up to 3 pcs.	RDT 14.05	
Series 4 up to 5 pcs.	RDT 14.06	
Series 6 up to 10 pcs.	RDT 14.07	
Series 11 up to 15 pcs.	RDT 14.08	
Set 9 pcs.	RDT 14.41	
Set 10 pcs.	RDT 14.42	
Set 32 pcs.	RDT 14.43	
Set 46 pcs.	RDT 14.44	
Set 47 pcs.	RDT 14.45	
Set 76 pcs.	RDT 14.46	
Set 79 pcs.	RDT 14.47	
Set 83 pcs.	RDT 14.48	
Set 88 pcs.	RDT 14.49	
Set 103 pcs.	RDT 14.50	
Set 112 pcs.	RDT 14.51	
Set 122 pcs.	RDT 14.52	



LAT/ACCREDIA CALIBRATION CERTIFICATE

DESCRIPTION	CODE	CLASS G
Single Gauge Block	LAT 3.40	
Gauge Block Set - series from 2 up to 3 pcs.	LAT 3.74	
Gauge Block Set - series from 4 up to 5 pcs.	LAT 3.75	
Gauge Block Set - series from 6 up to 10 pcs.	LAT 3.76	
Gauge Block Set - series from 11 up to 15 pcs.	LAT 3.77	
Gauge Block Set - 9 pcs.	LAT 3.41	
Gauge Block Set - 10 pcs.	LAT 3.42	
Gauge Block Set - 32 pcs.	LAT 3.43	
Gauge Block Set - 46 pcs.	LAT 3.44	
Gauge Block Set - 47 pcs.	LAT 3.45	
Gauge Block Set - 76 pcs.	LAT 3.46	
Gauge Block Set - 79 pcs.	LAT 3.47	
Gauge Block Set - 83 pcs.	LAT 3.48	
Gauge Block Set - 88 pcs.	LAT 3.49	
Gauge Block Set - 103 pcs.	LAT 3.50	
Gauge Block Set - 112 pcs.	LAT 3.51	
Gauge Block Set - 122 pcs.	LAT 3.52	

NOTES: Class G calibration includes the measurement in positions in order to determine, in addition to the center offset, the lenght variation also and it is carried out on Gauge Blocks up to 100 mm by direct measurement whit the following measurement uncertainties:
Center offset: 0.5 µm
Lenght variation: 0.6 µm
Flatness: 0.14 µm

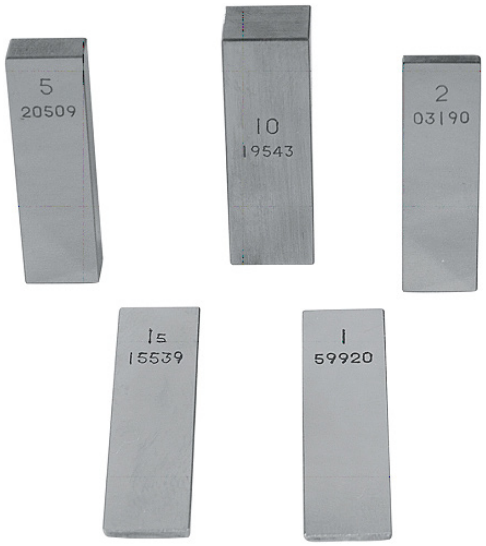
N.B. Whether it is a block gauges series or a block gauge set, a single certificate is issued.

The individual certificate for a block gauge series must be expressly requested.

PARALLEL BLOCK GAUGES UP TO 100 MM

CALIBRATION REPORT

DESCRIPTION	CODE	CLASS F
Set 9 pcs.	RDT 14.70	
Set 10 pcs.	RDT 14.71	
Set 32 pcs.	RDT 14.72	
Set 46 pcs.	RDT 14.73	
Set 47 pcs.	RDT 14.74	
Set 76 pcs.	RDT 14.75	
Set 79 pcs.	RDT 14.76	
Set 83 pcs.	RDT 14.77	
Set 88 pcs.	RDT 14.78	
Set 103 pcs.	RDT 14.79	
Set 112 pcs.	RDT 14.80	
Set 122 pcs.	RDT 14.81	



LAT/ACCREDIA CALIBRATION CERTIFICATE

DESCRIPTION	CODE	CLASS F
Set 9 pcs.	LAT 3.90	
Set 10 pcs.	LAT 3.91	
Set 32 pcs.	LAT 3.92	
Set 46 pcs.	LAT 3.93	
Set 47 pcs.	LAT 3.94	
Set 76 pcs.	LAT 3.95	
Set 79 pcs.	LAT 3.96	
Set 83 pcs.	LAT 3.97	
Set 88 pcs.	LAT 3.98	
Set 103 pcs.	LAT 3.99	
Set 112 pcs.	LAT 3.100	
Set 122 pcs.	LAT 3.102	

NOTES: Class F calibration includes the measurement in positions in order to determine, in addition to the center offset, the lenght variation also and it is carried out on Gauge Blocks up to 100 mm by mechanical comparison whit the following measurement uncertainties:
Center offset: steel/ ceramic 0.28 µm – tungsten carbide 0.45 µm - Lenght variation: 0.06 µm - Flatness: 0.14 µm

DESCRIPTION	CODE	CLASS A
Single Gauge Block	LAT 3.14	
Gauge Block Set - series from 2 up to 3 pcs.	LAT 3.05	
Gauge Block Set - series from 4 up to 5 pcs.	LAT 3.06	
Gauge Block Set - series from 6 up to 10 pcs.	LAT 3.07	
Gauge Block Set - series from 11 up to 15 pcs.	LAT 3.08	
Gauge Block Set - 9 pcs.	LAT 3.15	
Gauge Block Set - 10 pcs.	LAT 3.16	
Gauge Block Set - 32 pcs.	LAT 3.17	
Gauge Block Set - 46 pcs.	LAT 3.18	
Gauge Block Set - 47 pcs.	LAT 3.19	
Gauge Block Set - 76 pcs.	LAT 3.20	
Gauge Block Set - 79 pcs.	LAT 3.21	
Gauge Block Set - 83 pcs.	LAT 3.22	
Gauge Block Set - 88 pcs.	LAT 3.23	
Gauge Block Set - 103 pcs.	LAT 3.24	
Gauge Block Set - 112 pcs.	LAT 3.25	
Gauge Block Set - 122 pcs.	LAT 3.26	

NOTES: Class A calibration includes the measurement in positions in order to determine, in addition to the center offset, the lenght variation also and it is carried out on Gauge Blocks up to 100 mm by mechanical comparison whit the following measurement uncertainties:
Center offset: steel 0.09 µm + $0.6*10^{-6}*L$ – ceramic 0.09 µm + $0.7*10^{-6}*L$ – tungsten carbide 0.09 µm + $1.5*10^{-6}*L$ - Lenght variation: 0.06 µm - Flatness: 0.14 µm.

DESCRIPTION	CODE	CLASS E
Micrometer inspection set - 10 pz	LAT 3.101	

NOTES: Class E calibration includes the measurement in positions in order to determine, in addition to the center offset, the lenght variation also and it is carried out on steel and ceramic Gauge Blocks up to 25 mm by mechanical comparison whit the following measurement uncertainties:
Center offset: 0.12 µm + $0.8*10^{-6}*L$ - Lenght variation: 0.06 µm - Flatness: 0.14 µm

PARALLEL BLOCK GAUGES OVER 100 MM

CALIBRATION REPORT

DESCRIPTION	CODE	CLASS G
Gauge Block - over 100 up to 200 mm	RDT 14.58	
Gauge Block - over 200 up to 300 mm	RDT 14.59	
Gauge Block - over 300 up to 400 mm	RDT 14.60	
Gauge Block - over 400 up to 650 mm	RDT 14.61	
Long Gauge Block Set - 8 pcs. up to 650 mm	RDT 14.65	
Set di 8 Blocchetti lunghi	RDT 14.62	

LAT/ACCREDIA CALIBRATION CERTIFICATE

DESCRIPTION	CODE	CLASS G
Gauge Block - over 100 up to 200 mm	LAT 3.58	
Gauge Block - over 200 up to 300 mm	LAT 3.59	
Gauge Block - over 300 up to 400 mm	LAT 3.60	
Gauge Block - over 400 up to 650 mm	LAT 3.61	
Long Gauge Block Set - 8 pcs. up to 650 mm	LAT 3.62	

NOTES: Class G calibration includes the measurement in positions in order to determine, in addition to the center offset, the lenght variation also and it is carried out on Gauge Blocks over 100 mm and up to 650 mm by direct measurement whit the following measurement uncertainties :
Center offset: 0.42 µm + $1.4*10^{-6}*L$
Lenght variation: 0.6 µm
Flatness: 0.14 µm

TEMPERATURE CALIBRATORS - THERMOSTATIC BATHS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 16	Temperature calibrator

NOTES: The temperature calibrators can be calibrated in the measurement range between -80°C and + 1200 ° C and considering a calibration curve built on 4 temperature points selected by the customer or according to our standard (whole measurement range).
Different methods of verification from the standard method are possible, but must be expressly requested.

VERNIER CALIPERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 17.1	Vernier caliper – Up to 200 mm
RDT 17.2	Vernier caliper – 200 to 300 mm
RDT 17.3	Vernier caliper – 300 to 500 mm
RDT 17.4	Vernier caliper – 500 to 600 mm
RDT 17.5	Vernier caliper – 600 to 700 mm
RDT 17.6	Vernier caliper – 700 to 800 mm
RDT 17.7	Vernier caliper – 800 to 1000 mm
RDT 17.8	Vernier caliper – 1000 to 3000 mm

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 3.81	Vernier caliper - up to 200 mm
LAT 3.82	Vernier caliper - over 200 mm up to 500 mm
LAT 3.83	Vernier caliper - over 500 mm up to 1000 mm

NOTES: The price refers to outside, inside and depth verniers.

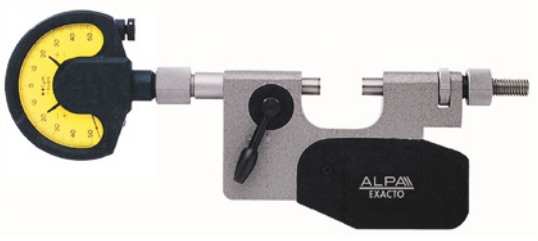
SNAP GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 17.91	Snap gauge

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 18	Snap Gauge



NOTES: In order to perform an accredited calibration, it is necessary for us to receive the Client's dial gauge.

COMB GAUGES

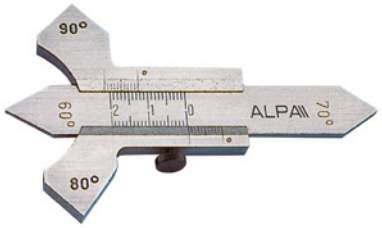
CALIBRATION REPORT

CODE	DESCRIPTION
RDT 17.92	Comb gauge – one-sided
RDT 17.93	Comb gauge – two-sided
RDT 17.94	Comb gauge – four-sided
RDT 17.95	Comb gauge – six-sided

WELDING GAUGES

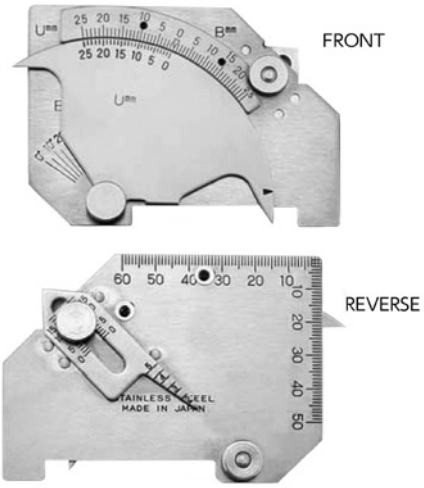
CALIBRATION REPORT

CODE	DESCRIPTION
RDT 18	Welding control gauge – type 1
RDT 18.1	Welding control gauge – type 2
RDT 18.2	Welding control gauge – type 3



Type 1 gauge

Type 2 gauge



Type 3 gauge

TAPER GAUGES

CALIBRATION REPORT

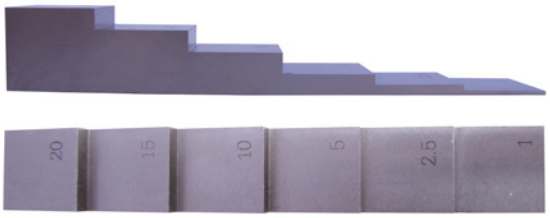
CODE	DESCRIPTION
RDT 18.5	Taper gauge

NOTES: The above price does not include the calibration of the zero ring gauges (see tapered plain ring).

STEP GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 19	Step gauge - six steps



LAT/ACCREDIA CALIBRATION CERTIFICATE

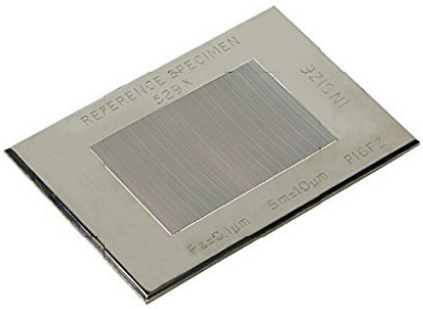
CODE	DESCRIPTION
LAT 4.2	Step gauge – six steps

NOTES: The calibration consists in characterizing each single step with n. 5 length measurements (thickness).

ROUGHNESS MASTERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 20.1	Roughness master – 1 area / 1 parameter
RDT 20.2	Roughness master – 2 areas / 1 parameter per area
RDT 20.3	Roughness master – 3 areas / 1 parameter per area
RDT 20.4	Roughness master – 4 areas / 1 parameter per area
RDT 20.5	Roughness master – 5 areas / 1 parameter per area
RDT 20.6	Each additional parameter after the first one for each area



LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 5.1	Roughness master - 1 area/ 1 parameter
LAT 5.2	Roughness master - 2 areas/ 1 parameter per area
LAT 5.3	Roughness master - 3 areas/ 1 parameter per area
LAT 5.4	Roughness master - 4 areas/ 1 parameter per area
LAT 5.5	Roughness master - 5 areas/ 1 parameter per area
LAT 5.6	Each additional parameter after the first one per each area

NOTES: For roughness samples having more areas than those described, price on request.

DEPTH MASTERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 21.1	Depth master – one depth
RDT 21.2	Depth master – two depths
RDT 21.3	Depth master – three depths

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 6.1	Depth master - one depth
LAT 6.2	Depth master - two depths
LAT 6.3	Depth master - three depths

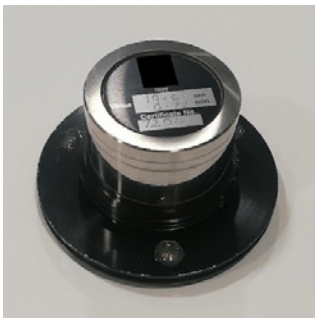
FLICK STANDARD

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 208.1	Roundness control

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 33.3	Flick standard – roundness control



NOTES: The calibration can be performed on cylindrical and spherical objects and on flick standards (such as ring gauges, plug gauges, cylindrical pins, spheres/hemispheres etc.) whose diameter ranges from 1,5 to 300 mm; the maximal roundness deviation is 1000 µm.

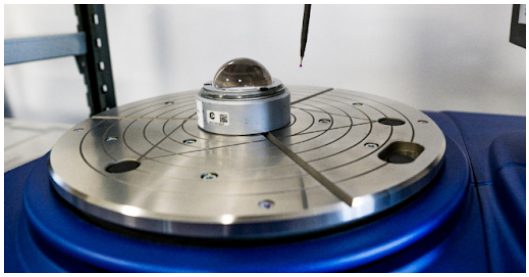
SPHERICAL OBJECT

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 208.1	Roundness control

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 33.2	Spherical standard – roundness control

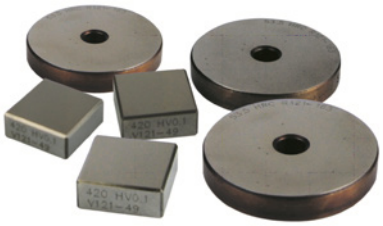


NOTES: The calibration can be performed on cylindrical and spherical objects and on flick standards (such as ring gauges, plug gauges, cylindrical pins, spheres/hemispheres etc.) whose diameter ranges from 1,5 to 300 mm; the maximal roundness deviation is 1000 µm.

HARDNESS MASTERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 22.1	Hardness master – Rockwell
RDT 22.2	Hardness master – Brinell
RDT 22.3	Hardness master – Vickers more than 1 Kg
RDT 22.4	Hardness master – Shore



NOTES: Calibration is applicable according to the following methods and scales:
Rockwell (HRA; HRB; HRC; HRE), other scales on request
Brinell (HBW 2.5/ 62.5; HBW 2.5/ 187.5)
Vickers (HV1; HV2; HV2,5; HV3; HV5; HV10)
Shore (A; D)

INSERTS FOR THREAD

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 22.6	Pair of thread inserts
RDT 22.70	Pair of thread inserts - Quantities greater than one pair

THREAD INSERT ROD

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 22.80	Zero-setting rod for thread inserts

LOAD CELLS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 23.1	Load cell – Traction or compression up to 20 tons.
RDT 23.2	Load cell – Traction + compression up to 20 tons.
RDT 23.3	Material test machine – Check traction + compression load cell only
RDT 23.4	Material testing machines – Inspection of load cell + cross beam

NOTES: The above mentioned prices refer to calibration of load cells calibrated with the original display unit. In case of load cells without display unit, we need the wiring diagrams to be able to provide power supply to the load cell and display the output signals in mV. **In this case increase the price by 50%.**
In the case of tensile or compression calibration, if not communicated and the cell works in both directions, by default we will perform compression calibration. Calibration is possible in the measuring range up to 20 tons.

CLIMATIC CHAMBERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 24.1	Climate chamber – 1 temperature position or R.H.
RDT 24.2	Climate chamber – 2 temperature positions or R.H.
RDT 24.3	Climate chamber – 3 temperature positions or R.H.
RDT 24.4	Climate chamber – 4 temperature positions or R.H.

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 24.5	Climate chamber – 1 temperature position + R.H.
RDT 24.6	Climate chamber – 2 temperature positions + R.H.
RDT 24.7	Climate chamber – 3 temperature positions + R.H.
RDT 24.8	Climate chamber – 4 temperature positions + R.H.

NOTES: The calibration at the prices indicated above consists in performing the thermal mapping of the chamber, characterizing it from the point of view of the spatial and temporal error. The calibration of the climatic chambers is generally carried out at The Customer's premises.

TORSIOMETRIC CELLS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 25.1	Torque cells – One-way inspection
RDT 25.2	Torque cells – Two-way inspection

NOTES: The above prices refer to the calibration of load cells calibrated in combination with their own display. In case of load cells without display unit, we need the wiring diagrams to be able to provide power supply to the load cell and display the output signals in mV. **In this case increase the price by 50%.**
In the case of one-way calibration, if not specified, we will perform clockwise calibration by default. Calibration is possible in the measuring range up to 1000 Nm.

3D CENTERING GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 25.6	3D centering gauges

LEAK DETECTORS

INSPECTION REPORT

CODE	DESCRIPTION
RDT 25.8	Leak detector

NOTES: Neither a calibration report nor a calibration certificate is issued, but a functional inspection report that simply attests the functionality, and no characterization of the measuring instrument error.

WRENCHES – SCREWDRIVERS – ELECTRIC SCREWDRIVERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 26.1	Torque screwdriver/wrench – one way check
RDT 26.2	Torque screwdriver/wrench – two way check
RDT 26.3	Pneumatic and/or electric screwer
RDT 26.4	Adjustment (only if required and where possible)

NOTES: Calibration is possible in the measuring range from 0.2 Nm up to 1500 Nm for torque wrenches and up to 100 Nm for electric screwdrivers. It is applicable to snap-on torque wrenches, analogic and/or digital control wrenches, torque screwdrivers and electric screwdrivers. In the case of one-way calibration, if not communicated and the key is working in both directions, by default we will perform the calibration clockwise.

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION	INTERNAL METHOD
LAT 32	Click-type or direct reading torque wrench – one-way inspection	
LAT 32.1	Screwdriver – one-way inspection	
LAT 32.2	Click-type or direct reading torque wrench – two-way inspection	
LAT 32.3	Screwdriver – two-way inspection	

NOTES: The control procedure according to our internal method covers the range 0,2 – 1000 Nm and includes 3 measurements (lower limit value, 60% and 100% capacity). For each value, the calibration is performed:

- By 5 repeat tests for torque tools of type I and for torque tools of type II (classes A, D and G)
- By 10 repeat tests for torque tools of type II (classes B, C, E and F)

Upon customer's request, **it is possible to consider additional measuring values**.
For fixed torque wrenches, the calibration is carried out at the nominal value. The calibration uncertainty (CMC) is 1%.

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION	ACCORDING TO UNI EN ISO 6789-2:2017
LAT 32.4	Click-type torque wrench – one-way inspection	
LAT 32.5	Screwdriver – one-way inspection	
LAT 32.6	Click-type torque wrench – two-way inspection	
LAT 32.7	Screwdriver – two-way inspection	
LAT 32.8	Direct reading torque wrench – one-way inspection	
LAT 32.9	Direct reading torque wrench – two-way inspection	

NOTES: The control procedure according to the standard **UNI EN ISO 6789-2:2017** covers the range 0,2 – 1000 Nm and includes 3 measurements (lower limit value, 60% and 100% capacity). For each value, the calibration is performed:

- By 5 repeat tests for torque tools of type I and for torque tools of type II (classes A, D and G)
- By 10 repeat tests for torque tools of type II (classes B, C, E and F)

Upon customer's request, **it is possible to consider additional measuring values**.
For fixed torque wrenches, the calibration is carried out at the nominal value. The calibration uncertainty (CMC) is 1%.
Hereafter you will find a brief description of the additional checks to be performed.

Reproducibility check
The tool is subjected to a loading sequence at the lower limit value of the measurement range. Each sequence is repeated 4 times and includes:

- 5 measurements for torque tools of type I and for torque tools of type II (classes A, D and G)
- 10 measurements for torque tools of type II (classes B, C, E and F)

Variation due to geometric effects of the output drive of the torque tool, b_{od}
When the tool is equipped with an output drive, regardless of the torque tool's type, it is subjected to:
10 measurements for each of 4 positions at the lower limit value of the measurement range for square drive outputs.
10 measurements for each of 6 positions at the lower limit value of the measurement range for hexagonal drive outputs.

Variation due to geometric effects of the interface between the output drive of the torque tool and the calibration system, b_{int}
Regardless of the torque tool's type, measurements are performed as follows:

- 10 measurements for each of 4 positions at the lower limit value of the measurement range for square drive outputs.
- 10 measurements for each of 6 positions at the lower limit value of the measurement range for hexagonal drive outputs.

Variation due to the variation of the force loading point, b_l
These measurements are not performed for screwdrivers. Regardless of the torque tool's type, 2 sequences of 10 measurements each are recorded.

ROD AND/OR LEVER DIAL GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 27.1	Plug dial gauge and/or lever dial gauge

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 7	Plug Dial Gauge and/or Lever Dial Gauge

OUTSIDE CALIPER DIAL GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 27.2	Pointed jaws dial gauge - outside

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 19	Pointed jaws Dial Gauge - outside

INSIDE CALIPER DIAL GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 27.3	Pointed jaws dial gauge - inside

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 19.5	Pointed jaws Dial Gauge - inside

DIAL GAUGES ON A STAND

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 27.4	Dial gauge with fixed stop system – on a stand

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 20	Dial Gauge with fixed stop system – on a stand

NOTES: The calibration is carried out on the entire measuring system which is formed by the dial gauge and the base; by keeping the dial gauge mounted on it and calibrating the entire measuring system, all the various contributions of uncertainty such as the flatness of the surface, the alignment of the dial gauge with respect to the surface and, of course, the error of the dial gauge itself are brought into play.

STOPWATCHES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 27.8	Stopwatch

DIAMETER MEASURING INSTRUMENTS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 29	Diameter measuring instrument

SPRING LOADED DYNAMOMETERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 30.1	Spring loaded dynamometers

CRANE DYNAMOMETERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 30.2	Crane dynamometer

NOTES: Calibration is possible in the measuring range up to 20 tons.

LEVER DYNAMOMETERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 30.3	Lever dynamometer

NOTES: Calibration consists of checking the force of the spring scale lever in both directions.

PORTABLE DYNAMOMETERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 30.4	Dynamometer – Compression or traction
RDT 30.5	Dynamometer – Compression + traction

NOTES: In the case of calibration in traction or compression, if not specified, and the dynamometer works in both directions, by default we will perform calibration in compression.

RANGE FINDERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 31	Distance meter

NOTES: Calibration is possible in the range up to 3 meters.

BENCH HARDNESS TESTERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 32.2	Hardness tester– Rockwell; Brinell; Vickers
RDT 32.3	Additional scale after the first one

NOTES: The calibration is carried out according to the indirect method. The code RDT 32.2 consists of checking a single scale (at your choice); for the calibration of additional scales it is necessary to add the price of the additional scale (Code RDT32.3) by multiplying it by how many scales should be inspected. Since these are highly precise and delicate instruments it is recommended to calibrate them at the customer's premises.

PORTABLE HARDNESS TESTER

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 32.4	Portable hardness tester

NOTES: Calibration consisting of indirect inspection of the hardness tester.

SHORE HARDNESS TESTERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 32.1	Shore - A; C; D hardness tester

NOTES: Calibration consisting of direct inspection of the hardness tester.

MEASURING TAPES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 32.6	Tape measure 2000 mm
RDT 32.7	Tape measure 3000 mm
RDT 32.8	Tape measure 5000 mm
RDT 32.9	Tape measure 10000 mm

GO/NO-GO PLAIN SNAP GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 33.1	GO/NO-GO plain snap gauge – 1,5 to 20 mm
RDT 33.2	GO/NO-GO plain snap gauge – 20 to 50 mm
RDT 33.3	GO/NO-GO plain snap gauge – 50 to 75 mm
RDT 33.4	GO/NO-GO plain snap gauge – 75 to 100 mm
RDT 33.5	GO/NO-GO plain snap gauge – 100 to 250 mm

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 20.15	GO/NO-GO Plain snap Gauge - from 5 up to 250 mm

GO OR NO-GO PLAIN SNAP GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 33.7	GO or NO-GO plain snap gauge – 1,5 to 20 mm
RDT 33.8	GO or NO-GO plain snap gauge – 20 to 50 mm
RDT 33.9	GO or NO-GO plain snap gauge – 50 to 75 mm
RDT 33.10	GO or NO-GO plain snap gauge – 75 to 100 mm
RDT 33.11	GO or NO-GO plain snap gauge – 100 to 250 mm

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 20.4	GO or NO-GO Plain snap Gauge - from 5 up to 250 mm

NOTES: The above prices refer to a single snap gauge, so either the GO or the NO-GO gauge. The calibration of the GO or the NO-GO snap gauges includes the inspection of distances in three different positions, **for a total of 3 distance measurements**. Different methods of verification from the standard method are possible, but must be expressly requested.

OVENS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 24.11	Oven – Check on 3 temperature positions
RDT 24.12	Oven – Check on 4 temperature positions

NOTES: The above prices refer to the verification of the temperature probe installed in the oven and not to thermal mapping.In case you want to perform thermal mapping see the prices of the climatic cells.

ANGLE PROTRACTORS

CALIBRATION REPORT

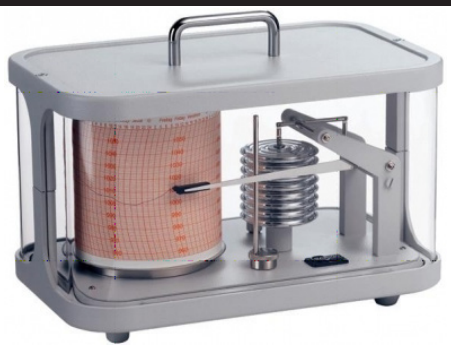
CODE	DESCRIPTION
RDT 34	Angle protractors/ Protractors

HYGROMETERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 35.3	Hygrometer - Inspection on 3 relative humidity positions
RDT 35.4	Hygrometer - Inspection on 4 relative humidity positions
RDT 35.5	Hygrometer - Inspection on 5 relative humidity positions
RDT 35.6	Hygrometer - Inspection on 6 relative humidity positions
RDT 35.7	Hygrometer - Inspection on 7 relative humidity positions
RDT 35.8	Hygrometer - Inspection on 8 relative humidity positions
RDT 35.9	Hygrometer - Inspection on 9 relative humidity positions
RDT 35.10	Hygrometer - Inspection on 10 relative humidity positions
RDT 35.11	Each additional probe is calibrated in the same measurement range and conditions as the first one

NOTES: Calibration possible in the range from 10 % R.H. to 90 % R.H.



BUBBLE LEVELS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 37.1	Spirit level – Linear/ Inclinometer
RDT 37.2	Spirit Level – Square

PRECISION LEVELS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 38	Level – Linear
RDT 38.1	Level – Square

STATIC MATERIALS TESTING MACHINE

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 26	Static materials testing machine - axes check

PRESSURE GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 41.1	Pressure Gauges up to 700 bar
RDT 41.2	Pressure Gauges from 700 up to 1000 bar

PRESSURE UNIT

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 79	Pressure unit

DEPTH MICROMETERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 44.1	Depth micrometer – 0 to 25 mm
RDT 44.2	Depth micrometer – 0 to 50 mm
RDT 44.3	Depth micrometer – 0 to 100 mm
RDT 44.4	Depth micrometer – 0 to 150 mm
RDT 44.5	Depth micrometer – 0 to 300 mm

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 20.8	Depth Micrometer
LAT 20.81	Each extension after the first one

NOTES: LAT/ACCREDIA calibration (code LAT20.8) provides for the micrometer to be checked with a single extension. LAT/ACCREDIA calibration, as per the accreditation table, is expected in the range up to 1000 mm.

OUTSIDE MICROMETERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 42.1	Outside micrometer 0 – 25 mm
RDT 42.2	Outside micrometer 25 – 50 mm
RDT 42.3	Outside micrometer 50 – 75 mm
RDT 42.4	Outside micrometer 75 – 100 mm
RDT 42.5	Outside micrometer 100 – 125 mm
RDT 42.6	Outside micrometer 125 – 150 mm
RDT 42.7	Outside micrometer 150 – 175 mm
RDT 42.8	Outside micrometer 175 – 200 mm
RDT 42.9	Outside micrometer 200 – 225 mm
RDT 42.10	Outside micrometer 225 – 250 mm
RDT 42.11	Outside micrometer 250 – 275 mm
RDT 42.12	Outside micrometer 275 – 300 mm
RDT 42.13	Outside micrometer 300 – 325 mm
RDT 42.14	Outside micrometer 325 – 350 mm
RDT 42.15	Outside micrometer 350 – 375 mm
RDT 42.16	Outside micrometer 375 – 400 mm

LAT/ACCREDIA CALIBRATION CERTIFICATE

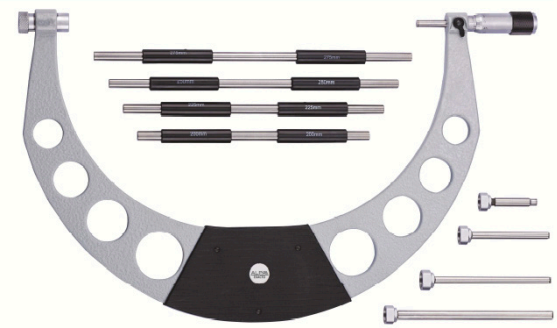
CODE	DESCRIPTION
LAT 21	Outside Micrometer - 0 - 25 mm
LAT 21.1	Outside Micrometer - 25 - 50 mm
LAT 21.2	Outside Micrometer - 50 - 75 mm
LAT 21.3	Outside Micrometer - 75 - 100 mm
LAT 21.4	Outside Micrometer - 100 - 125 mm
LAT 21.5	Outside Micrometer - 125 - 150 mm
LAT 21.6	Outside Micrometer - 150 - 175 mm
LAT 21.7	Outside Micrometer - 175 - 200 mm
LAT 21.8	Outside Micrometer - 200 - 225 mm
LAT 21.9	Outside Micrometer - 225 - 250 mm
LAT 21.91	Outside Micrometer - 250 - 275 mm
LAT 21.92	Outside Micrometer - 275 - 300 mm
LAT 21.93	Outside Micrometer - 300 - 325 mm
LAT 21.94	Outside Micrometer - 325 - 350 mm
LAT 21.95	Outside Micrometer - 350 - 375 mm
LAT 21.96	Outside Micrometer - 375 - 400 mm

NOTES: The prices above refer to the calibration of micrometers and are not including any zero setting extensions.
For sizes other than ranges above, price on request.

OUTSIDE MICROMETERS WITH INTERCHANGEABLE ANVILS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 42.17	Outside micrometer 0 – 100 mm
RDT 42.18	Outside micrometer 100 – 200 mm
RDT 42.19	Outside micrometer 200 – 300 mm
RDT 42.20	Outside micrometer 300 – 400 mm
RDT 42.21	Outside micrometer 400 – 500 mm
RDT 42.22	Outside micrometer 500 – 600 mm
RDT 42.23	Outside micrometer 600 – 700 mm
RDT 42.24	Outside micrometer 700 – 800 mm
RDT 42.25	Outside micrometer 800 – 900 mm
RDT 42.26	Outside micrometer 900 – 1000 mm
RDT 42.27	Outside micrometer 1000 – 1200 mm
RDT 42.28	Outside micrometer 1200 – 1400 mm
RDT 42.29	Outside micrometer 1400 – 1600 mm
RDT 42.30	Outside micrometer 1600 – 1800 mm
RDT 42.31	Outside micrometer 1800 – 2000 mm
RDT 42.32	Outside micrometer 2000 – 2200 mm
RDT 42.33	Outside micrometer 2200 – 2400 mm
RDT 42.34	Outside micrometer 2400 – 2600 mm
RDT 42.35	Outside micrometer 2600 – 2800 mm
RDT 42.36	Outside micrometer 2800 – 3000 mm



NOTES: The prices above refer to the calibration of micrometers and are not including any zero setting extensions.
For sizes other than ranges above, price on request.

CODE	DESCRIPTION
LAT 22	Outside Micrometer - 0 - 100 mm
LAT 22.1	Outside Micrometer - 100 - 200 mm
LAT 22.2	Outside Micrometer - 200 - 300 mm
LAT 22.3	Outside Micrometer - 300 - 400 mm
LAT 22.4	Outside Micrometer - 400 - 500 mm
LAT 22.5	Outside Micrometer - 500 - 600 mm
LAT 22.6	Outside Micrometer - 600 - 700 mm
LAT 22.7	Outside Micrometer - 700 - 800 mm
LAT 22.8	Outside Micrometer - 800 - 900 mm
LAT 22.9	Outside Micrometer - 900 - 1000 mm

NOTES: The prices above refer to the calibration of micrometers and are not including any zero setting extensions.
For sizes other than ranges above, price on request.

THREE-POINT INSIDE MICROMETERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 43.1	Inside micrometers – Up to 100 mm
RDT 43.2	Inside micrometer – 100 to 200 mm
RDT 43.3	Inside micrometer – 200 to 300 mm

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 48	Three-points Inside Micrometer - up to 150 mm

NOTES: The above prices refer to the calibration of micrometers, and do not include zero setting ring gauges.
The calibration is for each individual measuring head.

TWO-POINT INSIDE MICROMETERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 43.15	Inside micrometer – Up to 100 mm
RDT 43.16	Inside micrometer – 100 to 200 mm
RDT 43.17	Inside micrometer – 200 to 300 mm

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 48.5	Two-points Inside Micrometer - up to 150 mm

NOTES: The above prices refer to the calibration of micrometers, and do not include zero setting rings and/or masters.

INSIDE MICROMETER WITH ADDITIONAL RODS

CODE	DESCRIPTION
RDT 43.4	Inside micrometer – 50 to 500 mm
RDT 43.5	Inside micrometer – 50 to 1000 mm
RDT 43.6	Inside micrometer – 50 to 1500 mm
RDT 43.7	Inside micrometer – 50 to 2000 mm
RDT 43.8	Zero setting master

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 49	Inside Micrometers - over 50 up to 500 mm
LAT 49.1	Inside Micrometers - over 50 up to 1000 mm
LAT 49.2	Inside Micrometers - over 50 up to 2000 mm
LAT 49.3	Inside Micrometers - over 50 up to 2000 mm
LAT 49.16	Zero setting master for Inside micrometer

NOTES: Calibration includes the checking of the micrometer screw and the accompanying extensions; the zero setting master is not included.
NB: The maximum size of the rod mounted on the micrometric screw must not exceed 600 mm.

MICROMETERS FOR SPLINES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 80	Inside micrometer - for splines

ACCREDIA **LAT/ACCREDIA CALIBRATION CERTIFICATE**

CODE	DESCRIPTION
LAT 50	Internal spline Micrometer

DIFFERENTIAL PRESSURE METERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 41.4	Differential pressure gauge

AXIAL MEASURING GAUGES

ACCREDIA **LAT/ACCREDIA CALIBRATION CERTIFICATE**

CODE	DESCRIPTION
LAT 28.1	Single axis measuring system - Up to 100 mm
LAT 28.2	Single axis measuring system - Up to 500 mm
LAT 28.3	Single axis measuring system – Over 500 up to 2000 mm

NOTES: The calibration of high-precision and delicate equipment is best executed at the Client's facilities.

COORDINATE MEASURING MACHINES

ACCREDIA **LAT/ACCREDIA CALIBRATION CERTIFICATE**

CODE	DESCRIPTION
LAT 30	Coordinate measure machine - axes check

NOTES: On request; an inspection is necessary.

UNIMASTER TESA METER

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 43.9	Unimaster - 250 to 1475 mm TESA code
RDT 43.10	Zero setting master

MULTIMETERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 47	Multimeter

NOTES: Inspection of voltage and current verification, continuous and alternating, resistance and frequency.

TORQUE MULTIPLIERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 48	Torque multiplier

ROLLER ODOMETERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 49	Odometer wheel

REFERENCE SURFACES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 50.1	Granite surface plate – 300 x 300 mm
RDT 50.2	Granite surface plate – 400 x 400 mm
RDT 50.3	Granite surface plate – 600 x 400 mm
RDT 50.4	Granite surface plate – 1000 x 600 mm
RDT 50.5	Granite surface plate – 1000 x 1000 mm
RDT 50.6	Granite surface plate – 1200 x 800 mm
RDT 50.7	Granite surface plate – 1600 x 1000 mm
RDT 50.8	Granite surface plate – 2000 x 1000 mm
RDT 50.9	Granite surface plate – 2000 x 1500 mm
RDT 50.10	Granite surface plate – 2500 x 1500 mm

NOTES: The costs indicated above are related to calibration only.

CLAMP METERS

CALIBRATION REPORT

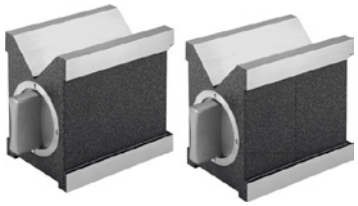
CODE	DESCRIPTION
RDT 51	Amperometric clamps

NOTES: Inspection of voltage and current verification, continuous and alternating, resistance and frequency.

PRISMS AND PARALLELS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 52	Parallel prism pairs



PROFILE PROJECTORS

ACCREDIA **LAT/ACCREDIA CALIBRATION CERTIFICATE**

CODE	DESCRIPTION
LAT 29	Profile Projector – axes check

PRESETTER

ACCREDIA **LAT/ACCREDIA CALIBRATION CERTIFICATE**

CODICE	DESCRIZIONE
LAT 31	Presetter – axes check

DEPTH GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 53.5	Depht gauges

ACCREDIA **LAT/ACCREDIA CALIBRATION CERTIFICATE**

CODE	DESCRIPTION
LAT 8.1	Depht gauges

NOTES: thread + depth check.

CROSSCUT ADHESION TESTER

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 54	Crosscut adhesion tester

RADIUS GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 55	Radius gauge – Set 1 to 7 mm
RDT 55.1	Radius gauge – Set 7,5 to 15 mm
RDT 55.2	Radius gauge – Set 15,5 to 25 mm

RULERS – STRAIGHT EDGES

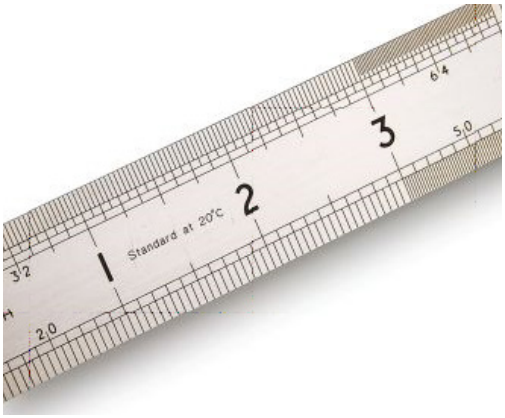
CALIBRATION REPORT

CODE	DESCRIPTION
RDT 57	Ruler

GRADUATE RULERS

CALIBRATION REPORT

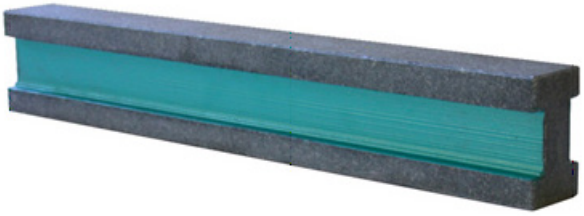
CODE	DESCRIPTION
RDT 58.1	Ruler – Up to 500 mm
RDT 58.2	Ruler – Up to 1000 mm
RDT 58.3	Ruler – Up to 1500 mm
RDT 58.4	Ruler – Up to 2000 mm
RDT 58.5	Ruler – Up to 3000 mm
RDT 58.6	Ruler – Up to 5000 mm



RULERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 59.1	Straight edge – Up to 500 mm
RDT 59.2	Straight edge – Up to 1000 mm
RDT 59.3	Straight edge – Up to 1500 mm
RDT 59.4	Straight edge – Up to 2000 mm
RDT 59.5	Straight edge – Up to 3000 mm



OPTICAL/DIGITAL GLASS SCALES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 59.11	Glass scale – Up to 300 mm
RDT 59.12	Glass scale – Up to 500 mm
RDT 59.13	Glass scale – Up to 1000 mm

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 9.9	Glass scale – up to 300 mm
LAT 9.10	Glass scale – up to 500 mm
LAT 9.11	Glass scale – up to 1000 mm

METER TAPES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 60.1	Measuring tape – Up to 2000 mm
RDT 60.2	Measuring tape – Up to 3000 mm
RDT 60.3	Measuring tape – Up to 5000 mm
RDT 60.4	Measuring tape – Up to 20000 mm
RDT 60.5	Measuring tape – Up to 50000 mm

ROUGHNESS MEASURING DEVICES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 61.1	Roughness measuring device – Verification of parameters Ra, Rz, Rsm
RDT 61.2	Each additional parameter

NOTES: The inspection, at the prices indicated above, refers to portable roughness measuring devices; for laboratory roughness measuring devices the price is on request. The roughness master is not included in the price; see roughness masters on previous pages.

SIEVES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 62.1	Sieve
RDT 62.2	Set of 5 sieves
RDT 62.3	Set of 10 sieves
RDT 62.4	Set of 20 sieves

PROBE CALIBRATION SPHERES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 63.1	Ball

NOTES: Diametrical inspection.

LAT/ACCREDIA CALIBRATION CERTIFICATE

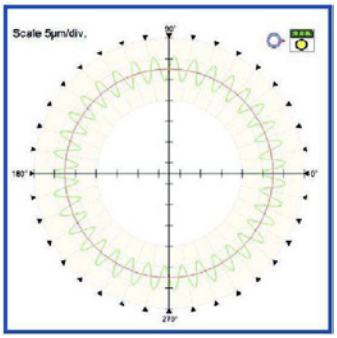
CODE	DESCRIPTION
LAT 10.1	Ball - diametrical inspection

NOTES: LAT/ACCREDIA calibration is possible up to 100 mm diameter and consists of inspection of the diameter size.

IN OPTION:

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 208.1	Roundness control



LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 33.2	Spherical standard – roundness control

NOTES: The calibration can be performed on cylindrical and spherical objects and on flick standards (such as ring gauges, plug gauges, cylindrical pins, spheres/hemispheres etc.) whose diameter ranges from 1,5 to 300 mm; the maximal roundness deviation is 1000 µm.

FEELER GAUGES WITH DIAL

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 64.1	Dial gauge feeler gauge

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 23	Dial Thickness Gauge

COATING THICKNESS GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 64.2	Thickness gauge for coatings (checking only one probe)
RDT 64.3	Additional Fe or NFe probe

ULTRASONIC THICKNESS GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 64.4	Ultrasonic thickness gauge (checking only one probe)
RDT 64.5	Additional probe

FEELER GAUGES WITH BLADES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 64.6	Feeler gauge – 8 blades set
RDT 64.7	Feeler gauge – 13 blades set
RDT 64.8	Feeler gauge – 20 blades set

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 24	Feeler gauge – 8 blades set
LAT 24.1	Feeler gauge – 13 blades set
LAT 24.2	Feeler gauge – 20 blades set

TAPER THICKNESS GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 64.9	Taper feeler gauge

CALIBRATED SHIMS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 65.1	Calibrated shim

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 25	Calibrated shim

CYLINDRICAL PINS

CALIBRATION REPORT (STANDARD INSPECTION)

CODE	DESCRIPTION
RDT 66.1	Cylindrical pin
RDT 66.2	Set of 10 cylindrical pins
RDT 66.3	Set of 20 cylindrical pins
RDT 66.4	Set of 41 cylindrical pins
RDT 66.5	Set of 61 cylindrical pins
RDT 66.6	Set of 81 cylindrical pins
RDT 66.7	Set of 91 cylindrical pins
RDT 66.80	Set of 100 cylindrical pins
RDT 66.8	Set of 200 cylindrical pins

LAT/ACCREDIA CALIBRATION CERTIFICATE (STANDARD INSPECTION)

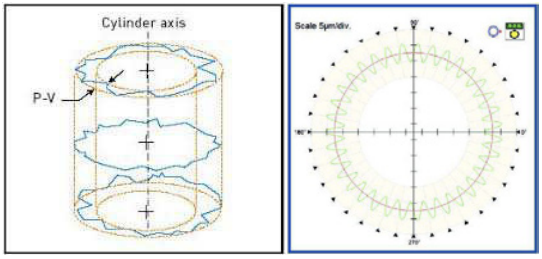
CODE	DESCRIPTION
LAT 11.1	Cylindrical pin
LAT 11.12	Set of 10 cylindrical pins
LAT 11.13	Set of 20 cylindrical pins
LAT 11.14	Set of 41 cylindrical pins
LAT 11.15	Set of 61 cylindrical pins
LAT 11.16	Set of 81 cylindrical pins
LAT 11.17	Set of 91 cylindrical pins
LAT 11.18	Set of 200 cylindrical pins

NOTES: The calibration of the cylindrical pins includes the verification of n.1 diameter at the center line, **for a total of 1 diameter measurement**. Methods of verification different from the standard one are possible, but must be expressly requested.

IN OPTION FOR CYLINDRICAL PINS

CALIBRATION REPORT (VERIFICA STANDARD)

CODE	DESCRIPTION
RDT 208.1	Roundness control
RDT 209.1	Cylindricity control



LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 33	External cylindrical standard – roundness control

NOTES: The calibration can be performed on cylindrical and spherical objects and on flick standards (such as ring gauges, plug gauges, cylindrical pins, spheres/hemispheres etc.) whose diameter ranges from 1,5 to 300 mm; the maximal roundness deviation is 1000 µm.

ANGLE RULERS/MASTER CYLINDERS

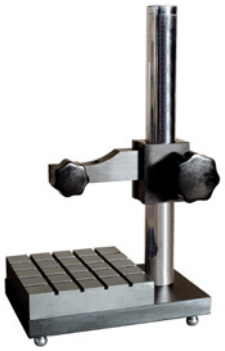
CALIBRATION REPORT

CODE	DESCRIPTION
RDT 67.1	Square - with 70 mm long side
RDT 67.2	Square - with 100 mm long side
RDT 67.3	Square - with 150 mm long side
RDT 67.4	Square - with 200 mm long side
RDT 67.5	Square - with 300 mm long side
RDT 67.6	Square - with 400 mm long side
RDT 67.61	Square - with 500 mm long side
RDT 67.7	Square - with 600 mm long side
RDT 67.8	Square - with 700 mm long side
RDT 67.81	Square - with 800 mm long side
RDT 67.9	Square - with 1000 mm long side

STANDS FOR DIAL GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 67.91	Dial gauge stand



NOTES: The calibration consists in checking the flatness of the plane and the orthogonality of the axis of the housing bore of the comparator with respect to the surface.

LENGTH TRANSDUCERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 67.92	Linear transducer and/or bi-directional lever transducer

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 14.5	Linear transducer and/or bi-directional lever transducer

NOTES: Verification that can be performed in conjunction with a customersupplied viewer.
The price refers to the verification of a single scale that can be set on the viewer of your choice.
In the absence of communication, the scale with intermediate resolution will be calibrated.

PRESSURE TRANSDUCERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 41.3	Pressure transducer

NOTES: The prices described above refer to the calibration of pressure transducers in combination with their own display.
In the case of pressure transducers not equipped with their own display, it is necessary to inform us of the electrical diagrams necessary for the supply of the display of the output signals in mV. In this case the price is € .

TACHOMETERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 68.1	Speedometer – optical or contact
RDT 68.2	Speedometer – optical and contact

GO/NO-GO THREADED PLUG GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 69.1	GO/NO-GO threaded plug gauge – Up to 20 mm
RDT 69.2	GO/NO-GO threaded plug gauge - 20 to 50 mm
RDT 69.3	GO/NO-GO threaded plug gauge - 50 to 75 mm
RDT 69.4	GO/NO-GO threaded plug gauge - 75 to 100 mm
RDT 69.5	GO/NO-GO threaded plug gauge - 100 to 150 mm
RDT 69.6	GO/NO-GO threaded plug gauge - 150 to 200 mm

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 14.20	GO/NO-GO Threaded plug Gauge – from 1 up to 120 mm

GO OR NO-GO CYLINDRICAL THREADED PLUG GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 69.7	GO or NO-GO threaded plug gauge – Up to 20 mm
RDT 69.8	GO or NO-GO threaded plug gauge – 20 to 50 mm
RDT 69.9	GO or NO-GO threaded plug gauge – 50 to 75 mm
RDT 69.10	GO or NO-GO threaded plug gauge – 75 to 100 mm
RDT 69.11	GO or NO-GO threaded plug gauge – 100 to 150 mm
RDT 69.12	GO or NO-GO threaded plug gauge – 150 to 200 mm

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 14.30	GO or NO-GO Threaded plug Gauge – from 1 up to 120 mm

TAPERED THREADED PLUG

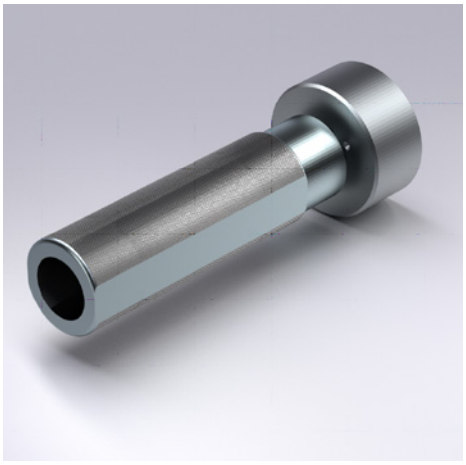
CALIBRATION REPORT

CODE	DESCRIPTION
RDT 69.13	Threaded plug gauge – Up to 20 mm NPT; NPTF; NGT
RDT 69.14	Threaded plug gauge – 20 to 50 mm NPT; NPTF; NTG
RDT 69.15	Threaded plug gauge – 50 to 75 mm NPT; NPTF; NGT
RDT 69.16	Threaded plug gauge – 75 to 100 mm NPT; NPTF; NGT

CYLINDRICAL ZERO SETTING PLUG GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 69.27	Plain plug gauge – Up to 50 mm
RDT 69.22	Plain plug gauge – 50 to 75 mm
RDT 69.23	Plain plug gauge – 75 to 100 mm
RDT 69.24	Plain plug gauge – 100 to 150 mm
RDT 69.25	Plain plug gauge – 150 to 200 mm
RDT 69.26	Plain plug gauge – 200 to 250 mm



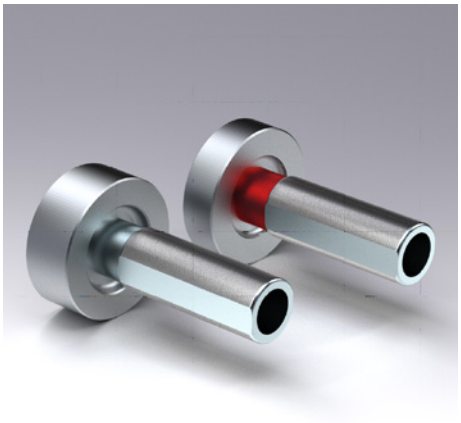
LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 11.61	Zero setting plug Gauge – up to 100 mm

GO OR NO-GO CYLINDRICAL PLAIN PLUG GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 70.85	Plain plug gauge – Up to 50 mm
RDT 70.10	Plain plug gauge – 50 to 75 mm
RDT 70.11	Plain plug gauge – 75 to 100 mm
RDT 70.12	Plain plug gauge – 100 to 150 mm
RDT 70.13	Plain plug gauge – 150 to 200 mm
RDT 70.14	Plain plug gauge – 200 to 250 mm



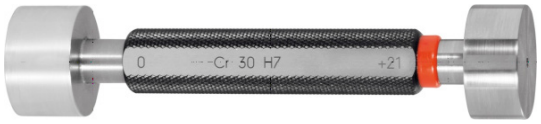
LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 13.1	GO or NO GO Plain plug Gauge – up to 100 mm

GO/NO-GO CYLINDRICAL PLAIN PLUG GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 70.15	GO/NO-GO plain gauge – Up to 50 mm
RDT 70.3	GO/NO-GO plain gauge – 50 to 75 mm
RDT 70.4	GO/NO-GO plain gauge – 75 to 100 mm
RDT 70.5	GO/NO-GO plain gauge – 100 to 150 mm
RDT 70.6	GO/NO-GO plain gauge – 150 to 200 mm
RDT 70.7	GO/NO-GO plain gauge – 200 to 250 mm



ACCREDIA

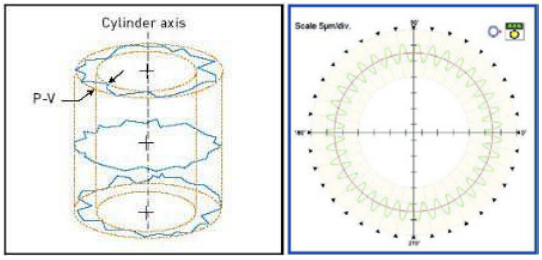
LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 12.3	GO/NO-GO plain plug Gauge - up to 100 mm

IN OPTION

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 208.1	Roundness control
RDT 209.1	Cylindricity control



ACCREDIA

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 33	External cylindrical standard – roundness control

NOTES: The calibration can be performed on cylindrical and spherical objects and on flick standards (such as ring gauges, plug gauges, cylindrical pins, spheres/hemispheres etc.) whose diameter ranges from 1,5 to 300 mm; the maximal roundness deviation is 1000 µm.

GO/ NO-GO SQUARE – HEXAGONAL AND OCTAGONAL PLAIN PLUG GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 70.90	GO/NO-GO square plain plug gauge - up to 50 mm
RDT 70.91	GO/NO-GO hexagonal plain plug gauge - up to 50 mm
RDT 70.92	GO/NO-GO octagonal plain plug gauge - up to 50 mm

ACCREDIA

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 13.10	GO/NO-GO square plain plug Gauge - up to 50 mm
LAT 13.11	GO/NO-GO hexagonal plain plug Gauge - up to 50 mm
LAT 13.12	GO/NO-GO octagonal plain plug Gauge - up to 50 mm

PLAIN TAPER PLUG GAUGES

CALIBRATION REPORT

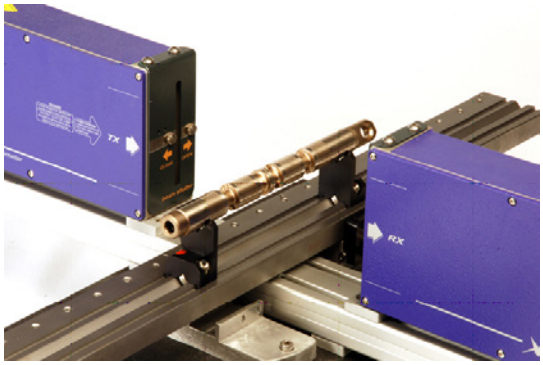
CODE	DESCRIPTION
RDT 71.1	Custom taper plain plug gauge

NOTES: The price described above is the characterization of a maximum of dimensions with THE Zeiss CMM, such as angle, cone point, maximum and minimum diameter, it is always necessary to include a technical drawing or a previous certificate and/or calibration report issued by the manufacturer. Characteristics to be controlled, other than those described above, must be expressly requested and confirmed.

MULTI DIAMETER GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 71.4	Plug gauge up to 3 diameters



LAT/ACCREDIA CALIBRATION CERTIFICATE

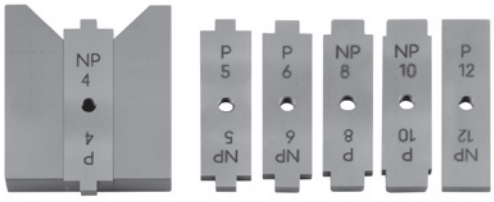
CODE	DESCRIPTION
LAT 9.1	Plug Gauge up to 3 diameters

NOTES: The standard calibration of multi-diameter zero setting plug gauges is the verification of n1 diameter on each diameter. For plug gauges with quantities of diameters other than those described above, price on request.

KEY GROOVE PLUG GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 90.15	Flat plain plug gauge – Up to 50 mm
RDT 90.3	Flat plain plug gauge – 50 to 75 mm
RDT 90.4	Flat plain plug gauge – 75 to 100 mm
RDT 90.5	Flat plain plug gauge – 100 to 150 mm
RDT 90.6	Flat plain plug gauge – 150 to 200 mm
RDT 90.7	Flat plain plug gauge – 200 to 250 mm



LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 14.1	Flat plain plug Gauge

The standard verification involves characterization of the thickness by performing 1 measurement on each calibrated head.

GO OR NO-GO SPLINE GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 91.1	Spline plug gauge

NOTES: The price described above consists in the characterization of the diameter with rollers and it is possible only for grooved rings having teeth with straight and non-helical sides, it is always necessary to include a technical drawing or a previous certificate and/or calibration report issued by the manufacturer.
For GO/NO-GO plug gauges increase the price by 30%.

THERMOMETERS THERMOMETER CHAINS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 72.1	Thermometer – 1 temperature point
RDT 72.2	Thermometer – 2 temperature points
RDT 72.3	Thermometer – 3 temperature points
RDT 72.4	Thermometer – 4 temperature points
RDT 72.5	Thermometer – 5 temperature points
RDT 72.6	Thermometer – 6 temperature points
RDT 72.7	Thermometer – 7 temperature points
RDT 72.8	Thermometer – 8 temperature points
RDT 72.9	Thermometer – 9 temperature points
RDT 72.10	Thermometer – 10 temperature points
RDT 72.11	Each additional probe after the first is calibrated under the same conditions

NOTES: Calibration possible in the range of -30°C to +1200°C.

OPTICAL THERMOMETERS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 72.12	Optical thermometer – 1 temperature point
RDT 72.13	Optical thermometer – 2 temperature points
RDT 72.14	Optical thermometer – 3 temperature points
RDT 72.15	Optical thermometer – 4 temperature points
RDT 72.16	Optical thermometer – 5 temperature points
RDT 72.17	Optical thermometer – 6 temperature points
RDT 72.18	Optical thermometer – 7 temperature points
RDT 72.19	Optical thermometer – 8 temperature points
RDT 72.20	Optical thermometer – 9 temperature points
RDT 72.21	Optical thermometer – 10 temperature points

NOTES: Calibration available in the range 20 °C - 350 °C.

THERMO HYGROMETERS

CALIBRATION REPORT

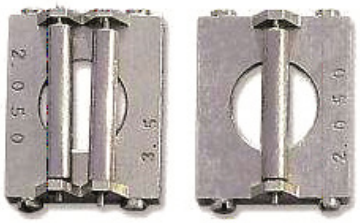
CODE	DESCRIPTION
RDT 73.3	Thermo-hygrometer – 3 temperature points + R.H.
RDT 73.4	Thermo-hygrometer – 4 temperature points + R.H.
RDT 73.5	Thermo-hygrometer – 5 temperature points + R.H.
RDT 73.6	Thermo-hygrometer – 6 temperature points + R.H.
RDT 73.7	Thermo-hygrometer – 7 temperature points + R.H.
RDT 73.8	Thermo-hygrometer – 8 temperature points + R.H.
RDT 73.9	Thermo-hygrometer – 9 temperature points + R.H.
RDT 73.10	Thermo-hygrometer – 10 temperature points + R.H.
RDT 73.11	Each additional probe after the first is calibrated under the same conditions

NOTES:
Calibration is performed in the range:
from -10°C/ + 90°C.
from 10 % R.H. to 90 % R.H.

THREAD MEASURING WIRES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 74.1	Thread measuring wires (a set of three)
RDT 74.2	Thread measuring wires – 2 to 5 sets (sets of three)
RDT 74.3	Thread measuring wires – 6 to 10 sets (sets of three)
RDT 74.4	Thread Measuring Wires (18 sets of three)



LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 15.1	Thread measuring wires (a set of three)
LAT 15.14	Thread Measuring Wires (18 sets of three)

NOTICE ABOUT CALIBRATION OF SERIES OF 3 CALIBRATED WIRES
The calibration of series of 3 calibrated wires is performed according to our STANDARD INSPECTION procedure:
Inspection of diameter of the wire (pin) series by measuring one diameter on each wire (pin) in central position.
Measurement of 3 diameters on each series of 3 wires.

INTERFERENCE GLASSES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 76.1	Interference glass
RDT 76.2	Interference glass – set of 2 glasses
RDT 76.3	Interference glass – set of 3 glasses
RDT 76.4	Interference glass – set of 4 glasses
RDT 76.5	Interference glass – set of 5 glasses
RDT 76.6	Interference glass – set of 6 glasses
RDT 76.7	Interference glass – set of 7 glasses
RDT 76.8	Interference glass – set of 8 glasses
RDT 76.9	Interference glass – set of 9 glasses
RDT 76.10	Interference glass – set of 10 glasses

OBJECT MICROMETERS – GRADUATED SLIDES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 36	Object micrometer 1/100 mm

NOTES: Other types of graduated slides price on request

VACUUM GAUGES

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 78	Vacuum gauge

NOTES: Calibration possible in the negative range up to -1 bar.

MICROMETRIC SCREWS

CALIBRATION REPORT

CODE	DESCRIPTION
RDT 93	Micrometric screw – up to 100 mm

LAT/ACCREDIA CALIBRATION CERTIFICATE

CODE	DESCRIPTION
LAT 16	Micrometric screw – up to 100 mm

FOR INSTRUMENTS OTHER THAN THOSE DESCRIBED ON THIS PRICE LIST, SUCH AS:
Power supplies, ammeters, anemometers, chandeliers test equipment, signal calibrators, fonometers and calibrators, insulation meters, resistance meters, oscilloscopes, thermal imagers, voltmeters, wattmeters, prices on request and according to the models and their characteristics.

DESCRIPTION OF STANDARD SERVICE

Calibration and inspection, issuing of a calibration report and/or LAT/ACCREDIA calibration certificate in digital format.

The report and/or LAT/ACCREDIA calibration certificatee in paper form must be expressly requested and has a cost of **€ 0,50/net each.**

The cancellation and/or printing of new LAT/ACCREDIA certificates has a cost of **€ 15,00 net each** while for calibration reports it has a cost of **€ 5,00 net each**.

The standard lead time is 5/7 working days after gauges receipt and order confirmation.

Every measuring instrument is recorded in our computer system, it has a record, which is used to manage calibration deadlines (via fax or email). Included in the service, the instrument is marked with a calibration date expiry sticker.

The packaging is included in the service.

Minimum order for each batch: **€ 50,00 net**

This price list refers to activities carried out by our laboratories; any calibrations carried out on site will be quoted according to the quantities on specific request of offer.

Each gauge/instrument under calibration must be identified with an indelible ID serial number (laser marking). If it is not possible, for technical reasons, to use an indelible identification, we will use an adhesive label (sticker).

IDENTIFICATION STICKER

"Only when it is not possible to use indelible laser marking"

It is performed according to our internal coding system (using a barcode number) and it has no additional cost, while the adhesive label with customer code has a cost of € 0,50 for each gauge.

LASER MARKING IDENTIFICATION

The laser marking is essential, unless it is possible for technical reasons, and has a cost of: **€ 3,00/gauge**, whether our internal coding or your specific customer code is used.

For each instrument, the statement about the POSITIVE or NEGATIVE outcome can be recorded and reported. It is necessary that the customer informs us about his acceptability criteria (MPE).

The outcome of the inspection, either positive or negative (applicable only on calibration reports) has a cost of **€ 1,00/gauge**. The outcome of the inspection is defined on the basis of the measured and the acceptability criteria (MPE), without taking into account the measurement uncertainty.

These options: calibration report and/or LAT/ACCREDIA certificate in PDF, labelling with customer's ID code, laser marking and calibration outcome should be expressly requested when ordering or when accepting our order confirmation.

Repair of the instrument, if out of tolerance, is performed only after acceptance of our quotation, when required by the customer.

WITHDRAWAL : In case of cancellation of the order, with request for the return of the unprocessed items, a penalty of 25% of the amount of the order net of the discount will be applied as reimbursement for the expenses incurred for the first processing.

NOTES: Your identification data and measurement results can be sent to the accreditation body.

The client commits to fulfil their contractual obligations regardless of the measurement results and/or the conformity.

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SDM MEASURING INSTRUMENTS®
calibration specialists

S.D.M. Measuring Instruments SRL
Via Ferdinando Palasciano, 29
59100 Prato (PO)
Tel. +39 0574 669208
Fax +39 0574 816891
E-mail info@sdm-measuring.it
www.sdm-measuring.it

QUALITY SYSTEM CERTIFICATION
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L'ENTE ITALIANO DI ACCREDITAMENTO
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