Spring Promotion

2025

Valid from April 1, 2025
until May 31, 2025

Schut

Mitutoyo

Behind the Logos

	Short	Description
U-WAVE	Wireless Data Transmission System	U-WAVE is Mitutoyo s proprietary wireless data transmission system which is superior to Bluetooth in both reliability and range. It is based on IEEE802.15.4 signals in the 2,4 GHz band.
Bluetooth	Wireless Data Transmission Standard	Bluetooth is a wireless standard for transmitting data, music, videos, or images over short distances of up to approximately 10 m.
U-WAVE fit	Transmitter System for U-WAVE and Bluetooth	U-WAVE fit transmitters are available in both U-Wave and Bluetooth version.
DIGIMATIC	Mitutoyos Data Transmission Standard	Mitutoyos original Digimatic Interface enables fast and reliable transfer of measurement data to external systems such as PCs, printer and Mitutoyo Counter units.
DIGIMATIC S1	Bidirectional Communication System for Handheld Measuring Devices	Mitutoyo s original bidirectional serial communication system which enables e.g. to perform parameter setting from a PC as well as sending measurement data to a PC.
MeasurLink®	SPC Software System	MeasurLink® is a measurement data management (SPC) software system based on databases (SQL Server).
IP65	Harsh Environment Protection Level	Protection class IP65 offers protection against water jets and dust ingress (dustproof).
IP67	Harsh Environment Protection Level	Protection class IP67 offers full dust and waterproofness (30 minutes, 1 m deep).
ABSOLUTE™	ABSOLUTE Linear Encoder	Electronic measuring scale that provides a direct readout of ABSOLUTE linear position. No Initialization required after switching on.
COOLANT PROOF™	Universal Term for Mitutoyo Digimatic Small Tools	These small tool instruments are not only resistant to dust and water ingress (rated to IP65 or better), but also to deterioration of materials due to contact with the cutting oil or coolant fluids in normal use. Note: Some types of aggressive cutting oil or coolant may degrade the sealing materials over time

The New QuantuMike

4 Times Faster Measurements*:

Revolutionize efficiency with 2 mm-per-rotation spindle speed.

*compared to a standard micrometer

Intuitive and Smart:

Large display, approach speed warnings, and PC connectivity streamline operation.

Rugged Reliability:

IP65 protection level makes it for water, oil, and dust resistant.

Advanced Precision:

Industry-leading accuracy.

Above-mentioned prices are Mitutoyo s suggested non-binding retail prices without VAT.

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Digital Micrometer QuantuMike IP65

Faster Measurements: 2 mm spindle movement per thimble rotation, 4x faster than standard micrometer.
PC Connectivity: Adjust parameters via bidirectional communication (Digimatic S1).
Effortless Operation: Compact, ratchet thimble allows one-handed or stand use.
Calibration Alerts: Stay on schedule with built-in reminders.
Tolerance Checks: GO/±NG judgments using set limits.
Speed Warnings: Prevent errors with approach speed alerts.
Long Battery Life: Lasts up to 2 years or 4000 hours.
Exceptional Accuracy: EN ISO 3611 JMPE ±1 µm (0-25, 25-50 mm).
Durable Design: IP65-rated for water and dust resistance in machining.
Display Lock: Protects settings from accidental changes.
Improved Visibility: Enlarged display for easier reading.

No.	Description	Range	Digital Step	Special Feature	Connector Type	Wireless Connection*		List Price €
						Transmitter	Connection	
293-140-40	Digital Micrometer QuantuMike IP65	0-25 mm	0,001 mm	2 mm per rotation	SF	264-622	02AZF960	380,00 €
293-141-40	Digital Micrometer QuantuMike IP65	25-50 mm	0,001 mm	2 mm per rotation	SF	264-622	02AZF960	468,00 €
293-142-40	Digital Micrometer QuantuMike IP65	50-75 mm	0,001 mm	2 mm per rotation	SF	264-622	02AZF960	556,00 €
293-143-40	Digital Micrometer QuantuMike IP65	75-100 mm	0,001 mm	2 mm per rotation	SF	264-622	02AZF960	628,00 €

*Transmitters and connectors are not included and have to be purchased separately.
 For non-bluetooth wireless connections, U-Wave requires a receiver unit 02AZD810D (see pages 12-15).

DIGIMATIC *S1*   U-WAVE*fit*   IP65   **MeasurLink® ENABLED**
Data Management Software by Mitutoyo   COOLANT PROOF™

Digital Absolute Micrometer QuickMike

Fast & Efficient: 10 mm feed per rotation, 20x faster than a standard micrometer.
With a non-rotating spindle.
Durable: IP65-rated for water and dust resistance.
Extended Range: 30 mm measuring capacity.

DIGIMATIC

ABSOLUTE™   IP65   **MeasurLink® ENABLED**
Data Management Software by Mitutoyo   U-WAVE   COOLANT PROOF™

No.	Description	Range	Digital Step	Special Feature	Connector Type	Wireless Connection*		List Price €	Promotion Price €
						Transmitter	Connection		
293-666-20	Digital Absolute Micrometer QuickMike	0-30 mm	0,001 mm	10 mm per rotation non rotatable spindle	B	02AZD730G	02AZD790B	587,00 €	469,00 €

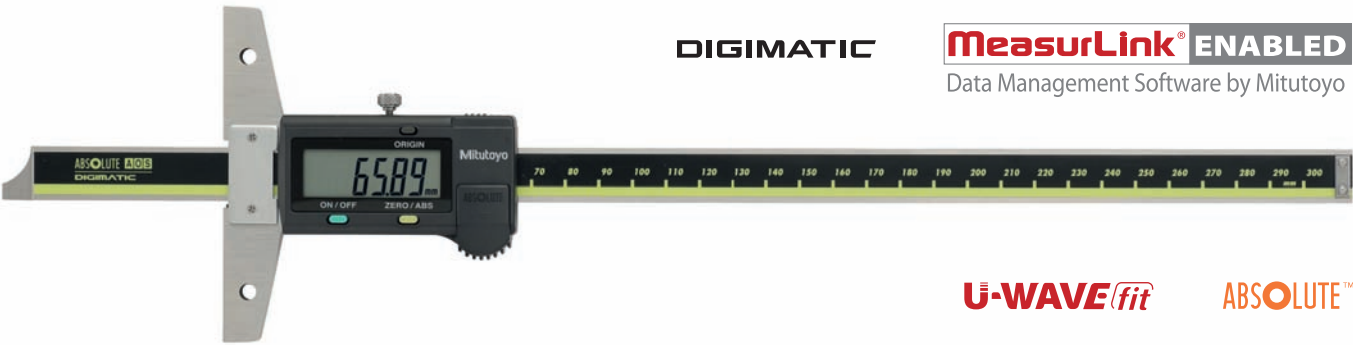*Transmitters and connectors are not included and have to be purchased separately.
 For non-bluetooth wireless connections, U-Wave requires a receiver unit 02AZD810D (see pages 12-15).

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Digital Outside Micrometer IP65

Digital ABS Depth Gauge

DIGIMATIC

MeasurLink® ENABLED
Data Management Software by Mitutoyo

U-WAVE fit   ABSOLUTE™

AOS Encoder: Advanced induction-type encoder for coolant-proof calipers.
ABS Scale: No origin setting or speed limits.
Durable: Hardened, micro-lapped faces.
Easy Read: Large characters.

No.	Description	Range	Digital Step	Connector Type	Wireless Connection*		List Price €	Promotion Price €
					Transmitter	Connection		
571-203-30	Digital ABS Depth Gauge	0-300 mm	0,01 mm	C	264-621	02AZF300	500,00 €	399,00 €

*Transmitters and connectors are not included and have to be purchased separately.
For non-bluetooth wireless connections, U-Wave requires a receiver unit 02AZD810D (see pages 12-15).

Durable Build: Oil-resistant plastic parts, ideal for coolant-exposed machining.
Long Battery Life: Lasts up to 2,4 years.
IP65-Rated: Resists water and dust.

MeasurLink® ENABLED
Data Management Software by Mitutoyo

U-WAVE fit

IP65

DIGIMATIC

COOLANT PROOF™

No.	Description	Range	Digital Step	Special Feature	Connector Type	Wireless Connection*		List Price €	Promotion Price €
						Transmitter	Connection		
293-230-30	Digital Micrometer IP65	0-25 mm	0,001 mm	0,5 mm per rotation	B	264-622	02AZF310	315,00 €	**249,00 €**
293-231-30	Digital Micrometer IP65	25-50 mm	0,001 mm	0,5 mm per rotation	B	264-622	02AZF310	373,00 €	**299,00 €**

*Transmitters and connectors are not included and have to be purchased separately.
For non-bluetooth wireless connections, U-Wave requires a receiver unit 02AZD810D (see pages 12-15)

Digital ABS Caliper Nib Style/Std. Jaws

DIGIMATIC

MeasurLink® ENABLED
Data Management Software by Mitutoyo

U-WAVE

ABSOLUTE™

Versatile: Knife edges for outside, rounded surfaces for inside measurements.
ABS Scale: No origin setting or speed limits.

No.	Description	Range	Digital Step	Connector Type	Wireless Connection*		List Price €	Promotion Price €
					Transmitter	Connection		
551-204-10	Digital ABS Caliper Nib Style/Std. Jaws	0-500 mm	0,01 mm	C	02AZD880G	02AZD790C	960,00 €	**759,00 €**

*Transmitters and connectors are not included and have to be purchased separately.
For non-bluetooth wireless connections, U-Wave requires a receiver unit 02AZD810D (see pages 12-15).

Height Gauge

ABSOLUTE™

U-WAVE

DIGIMATIC

U-WAVE

DIGIMATIC

570-227

192-615-10

ABSOLUTE Digital Height Gauge

ABS Scale: No origin setting or speed limits.
Precision: Fine adjustment for accurate positioning.
Durable: Includes a carbide-tipped scriber.

MeasurLink® ENABLED
Data Management Software by Mitutoyo

No.	Description	Range	Digital Step	Connector Type	Wireless Connection*		List Price €	Promotion Price €
					Transmitter	Connection		
570-227	Digital ABS Height Gauge	0-200 mm	0,01 mm	F	02AZD880G	02AZD790F	759,00 €	**609,00 €**

*Transmitters and connectors are not included and have to be purchased separately.
For non-bluetooth wireless connections, U-Wave requires a receiver unit 02AZD810D (see pages 12-15).

Digital Height Gauge Double Column Type

High Accuracy: Double-column structure ensures precise measurements.
Easy to Read: Large 11 mm characters.
Durable Scriber: Includes carbide-tipped scribe.

MeasurLink® ENABLED
Data Management Software by Mitutoyo

No.	Description	Range	Digital Step	Connector Type	Wireless Connection*		List Price €	Promotion Price €
					Transmitter	Connection		
192-615-10	Digital Height Gauge Double Column	0-1000 mm	0,005 mm	F	02AZD880G	02AZD790F	2.746,00 €	**2.199,00 €**

*Transmitters and connectors are not included and have to be purchased separately.
For non-bluetooth wireless connections, U-Wave requires a receiver unit 02AZD810D (see pages 12-15).

ABSOLUTE Digital Indicator MAX/MIN/RANGE

Comprehensive Measurements: MAX/MIN/RANGE
with 20 ms detection cycle.
Customizable Display: Switchable analog bar
(12 scales) and GO/±NG judgment.
Advanced Calculations: Supports Ax calculation
with a user-defined coefficient.
Flat back type.

Flat Back

ABSOLUTE™

U-WAVE fit

MeasurLink® ENABLED
Data Management Software by Mitutoyo

DIGIMATIC

Note: stand not included, must
be purchased separately

No.	Description	Range	Digital Step	Connector Type	Wireless Connection*		List Price €	Promotion Price €
					Transmitter	Connection		
543-300B-10	Digital Indicator, Peak Hold ID-C	12,7 mm	0,001 mm	F	264-622	02AZD790F	511,00 €	**409,00 €**

*Transmitters and connectors are not included and have to be purchased separately.
For non-bluetooth wireless connections, U-Wave requires a receiver unit 02AZD810D (see pages 12-15).

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Digital Indicator ID-C

ABSOLUTE Standard Type

Flexible Communication: Bidirectional for
PC parameter setting (Digimatic S1 interface).
Clear Display: Large digital/analog readout, 0,5 µm or 10 µm steps.
Advanced Features: Supports calculation, peak detection
(MAX/MIN/RANGE), and GO/±NG judgment.
User Protection: 330° rotatable display and function
lock against unauthorized use.

Flat Back

* Spindle level and Stand is not included in the
delivery and have to be purchased seperately.

DIGIMATIC *S1*   ABSOLUTE™   U-WAVE fit   MeasurLink® ENABLED
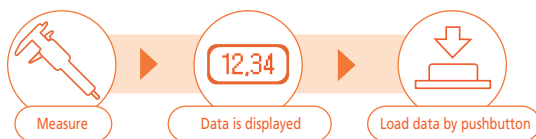Data Management Software by Mitutoyo

No.	Description	Range	Digital Step	Measuring Force	Connector Type	Wireless Connection*		List Price €	Promotion Price €
						Transmitter	Connection		
543-715B	Digital Indicator ID-C	12,7 mm	0,01 mm	0,2-0,5 N	SF	264-622	02AZF700	394,00 €	**319,00 €**
543-700B	Digital Indicator ID-C	12,7 mm	0,0005 mm	≤ 1,5 N	SF	264-622	02AZF700	446,00 €	**359,00 €**
543-720B	Digital Indicator ID-C	25,4 mm	0,0005 mm	≤ 1,8 N	SF	264-622	02AZG011	567,00 €	**449,00 €**
543-730B	Digital Indicator ID-C	50,8 mm	0,0005 mm	≤ 1,3 N	SF	264-622	02AZG011	848,00 €	**679,00 €**

*Transmitters and connectors are not included and have to be purchased separately.
 For non-bluetooth wireless connections, U-Wave requires a receiver unit 02AZD810D (see pages 12-15).

Digital Indicator ID-S

ABSOLUTE Economy F Type

ABS Scale: No origin setting or speed limits.
User-Friendly: Easy access to all functions with large front buttons.
Clear Display: 9 mm characters for easy readability.
Long Battery Life: Lasts up to 20.000 hours.

Flat Back

* Spindle level and Stand is not included in the delivery and have to be purchased seperately.

DIGIMATIC   ABSOLUTE™   U-WAVE fit   MeasurLink® ENABLED
Data Management Software by Mitutoyo

No.	Description	Range	Digital Step	Measuring Force	Connector Type	Wireless Connection*		List Price €	Promotion Price €
						Transmitter	Connection		
543-781B-10	Digital Indicator ID-S	12,7 mm	0,01 mm	≤ 1,5 N	F	264-622	02AZD790F	187,00 €	**149,00 €**

*Transmitters and connectors are not included and have to be purchased separately.
For non-bluetooth wireless connections, U-Wave requires a receiver unit 02AZD810D (see pages 12-15).

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Wireless Transmission

Measure → **12,34** Data is displayed → Manually record data → Input by keyboard

Human error

Conventional

Measure → **12,34** Data is displayed → Load data by pushbutton

With **U-Wave**

The **U-Wave** system is a wireless data communication solution designed for efficient and accurate data transfer from measuring tools, such as calipers and micrometers, to PCs. It streamlines data collection, reduces errors, and enhances productivity in quality control and inspection processes.

Eliminates human error, saving time and streamlining the process.

Wireless System U-WAVE

Wide Range: Approx. 20 m (within visible range).
Reliable Transmission: 2,4 GHz wireless for secure data transfer.
Easy Export: Send data to Excel® or SPC software like Mitutoyo MeasurLink.
User Feedback: Data transfer confirmed by buzz- or LED signal
(buzz signal only available with buzzer type).
Efficient Power: 400.000 data transmissions per battery.

Wireless System U-WAVE Bluetooth

Wide Range: Approx. 16 m in open space, 10 m in a factory.
Wireless Data: Bluetooth® for easy transmission to PCs, smartphones, and tablets.
Flexible Setup: Connect up to 7 units with U-WAVE,
no receiver needed. Dust/waterproof options available.
Clear Feedback: Data transfer confirmed by buzz- or LED signal
(buzz signal only available with buzzer type).

U-WAVE Connecting Cable and Unit

Easy Connection: Connect Digital Gauge to U-WAVE-T
or U-WAVE fit with a dedicated cable or connection unit.
Simple Setup: Fixed unit attaches to U-WAVE fit and plugs into the gauge.
Universal Cable: The same U-WAVE cable can be used to connect instruments
to U-WAVE-T and U-WAVE fit transmitters.

U-WAVE

Transmitter

No.	Description	U-Wave Standard	Transmitter Type		Compatibility, Type of Instrument	List Price €	Promotion Price €
02AZD730G	U-WAVE Wireless Transmitter	IEEE802.15.4 (2,4 GHz)	U-WAVE-T	IP67	Universal	187,00 €	**129,00 €**
02AZD880G	U-WAVE Wireless Transmitter	IEEE802.15.4 (2,4 GHz)	U-WAVE-T	Buzzer	Universal	187,00 €	**129,00 €**
264-620	U-WAVE Wireless Transmitter	IEEE802.15.4 (2,4 GHz)	U-WAVE Fit	IP67	Caliper	185,00 €	**129,00 €**
264-621	U-WAVE Wireless Transmitter	IEEE802.15.4 (2,4 GHz)	U-WAVE Fit	Buzzer	Caliper	185,00 €	**129,00 €**
264-622	U-WAVE Wireless Transmitter	IEEE802.15.4 (2,4 GHz)	U-WAVE Fit	IP67	Micrometer, Indicator	185,00 €	**129,00 €**
264-623	U-WAVE Wireless Transmitter	IEEE802.15.4 (2,4 GHz)	U-WAVE Fit	Buzzer	Micrometer, Indicator	185,00 €	**129,00 €**
264-624	U-WAVE Wireless Transmitter	Bluetooth	U-WAVE Fit	IP67	Caliper	185,00 €	**139,00 €**
264-625	U-WAVE Wireless Transmitter	Bluetooth	U-WAVE Fit	Buzzer	Caliper	185,00 €	**139,00 €**
264-626	U-WAVE Wireless Transmitter	Bluetooth	U-WAVE Fit	IP67	Micrometer, Indicator	185,00 €	**139,00 €**
264-627	U-WAVE Wireless Transmitter	Bluetooth	U-WAVE Fit	Buzzer	Micrometer, Indicator	185,00 €	**139,00 €**

Connection Cables for U-WAVE

No.	Description	Transmitter Type	Instrument	Connector Type	Type of U-Wave Connector		List Price €	Promotion Price €
02AZD790A	Connection Cable A for U-WAVE	Universal	e.g. IP Class Caliper	A	U-WAVE-T	U-WAVE fit	110,00 €	**72,90 €**
02AZD790B	Connection Cable B for U-WAVE	Universal	e.g. IP Class Micrometer 3-Point Internal Micrometer	B	U-WAVE-T	U-WAVE fit	110,00 €	**72,90 €**
02AZD790C	Connection Cable C for U-WAVE	Universal	e.g. Large Size Standard Caliper without high grade IP Class	C	U-WAVE-T	U-WAVE fit	105,00 €	**63,90 €**
02AZD790F	Connection Cable F for U-WAVE	Universal	Unidirectional Indicator e.g. ID-S	F	U-WAVE-T	U-WAVE fit	98,00 €	**63,90 €**
02AZD790D	Connection Cable D for U-WAVE	Universal	e.g. ID-H Indicators, SJ-210-310-410, HV-100-HM-200, HR-530-600	D	U-WAVE-T	U-WAVE fit	98,00 €	**63,90 €**
02AZD790E	Connection Cable E for U-WAVE	Universal	e.g. HR-300-400, HH-411	E	U-WAVE-T	U-WAVE fit	98,00 €	**63,90 €**
02AZD790G	Connection Cable G for U-WAVE	Universal	ID-N and ID-B Indicators	G	U-WAVE-T	U-WAVE fit	105,00 €	**63,90 €**
02AZG011	Connection Cable SF for U-WAVE	Universal	Bidirectional ID-C and ID-F Indicators, Linear Height LH-600F/FG	SF	U-WAVE-T		131,00 €	**109,00 €**

Connection Units for U-WAVEfit

No.	Description	Transmitter Type	Instrument	Connector Type	Type of U-Wave Connector	List Price €	Promotion Price €
02AZF300	Connection Unit for U-WAVE fit	U-WAVE fit	Standard Caliper without high grade IP Class	C	U-WAVE fit	105,00 €	**74,90 €**
02AZF310	Connection Unit for U-WAVE fit	U-WAVE fit	IP Micrometer, IP Caliper	B	U-WAVE fit	110,00 €	**74,90 €**
02AZF700	Connection Unit for U-WAVE fit	U-WAVE fit	Bidirectional ID-C Indicator 12,7mm/0,5 Type	SF	U-WAVE fit	124,00 €	**99,90 €**
02AZF960	Connection Unit for U-WAVE fit	U-WAVE fit	Bidirectional QuantuMike Micrometer	SF	U-WAVE fit	107,00 €	**74,90 €**

Receiver

No.	Description	U-Wave Standard	Product Type	List Price €	Promotion Price €
02AZD810D	U-WAVE-R Wireless Receiver	IEEE802.15.4 (2,4 GHz)	Receiver	371,00 €	**249,00 €**

Above-mentioned prices are Mitutoyo s suggested non-binding retail prices without VAT.

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U-WAVE

Operators	Device	Connection Units

Digimatic micrometer

Connecting unit

Digimatic caliper

Connecting unit

Digimatic gauge

Connecting cable

For USB-cable connection options, please follow the QR code to our webshop to the USB input tool section.

Digimatic micrometer

Connecting unit

Digimatic caliper

Connecting unit

Transmitters

Receiver

U-WAVE fit
U-WAVE-TM

U-WAVE fit
U-WAVE-TC

U-WAVE-T

U-WAVE-R

PC (for storing data)

Data loaded to the PC via USB.

U-WAVE
U-WAVE-TMB

U-WAVE
U-WAVE-TCB
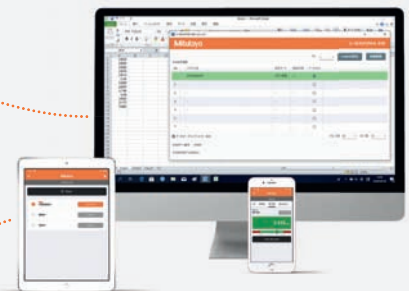
Device (for storing data)

Data loaded to the PC, tablet,
or smartphone via Bluetooth.

MeasurLink® ENABLED

Data Management Software by Mitutoyo

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Calipers

ABSOLUTE Digital Coolant Proof Caliper IP67

IP67 Rated: Water and dust-resistant for machining with coolant.
Rugged Design: Dustproof, EN60529-compliant, and can withstand immersion in water.
ABS Scale: No origin setting or speed limits.

No.	Description	Range	Digital Step	Special Feature	List Price €	Promotion Price €
500-181-30	Digital ABS AOS Caliper	0-150 mm	0,01 mm	Flat Rod	134,00 €	99,90 €
500-182-30	Digital ABS AOS Caliper	0-200 mm	0,01 mm	Flat Rod	215,00 €	169,00 €
500-184-30	Digital ABS AOS Caliper	0-150 mm	0,01 mm	Round Rod	134,00 €	99,90 €
500-196-30	Digital ABS AOS Caliper	0-6 / 0-150 mm	0,0005 / 0,01 mm	Flat Rod and Thumb Roller	148,00 €	129,00 €
500-706-20	Digital ABS Caliper CoolantProof IP67	0-150 mm	0,01 mm	Flat Rod	202,00 €	149,00 €
500-707-20	Digital ABS Caliper CoolantProof IP67	0-200 mm	0,01 mm	Flat Rod	279,00 €	219,00 €
500-708-20	Digital ABS Caliper CoolantProof IP67	0-300 mm	0,01 mm	Flat Rod	401,00 €	319,00 €

ABSOLUTE AOS Digital Caliper

AOS Encoder: Advanced induction-type encoder for coolant-proof calipers.
ABS Scale: No origin setting or speed limits.
Contamination-Resistant: Electromagnetic induction ensures accuracy, even with dirt (water, oil) on the scale.

Analog Outside Micrometer
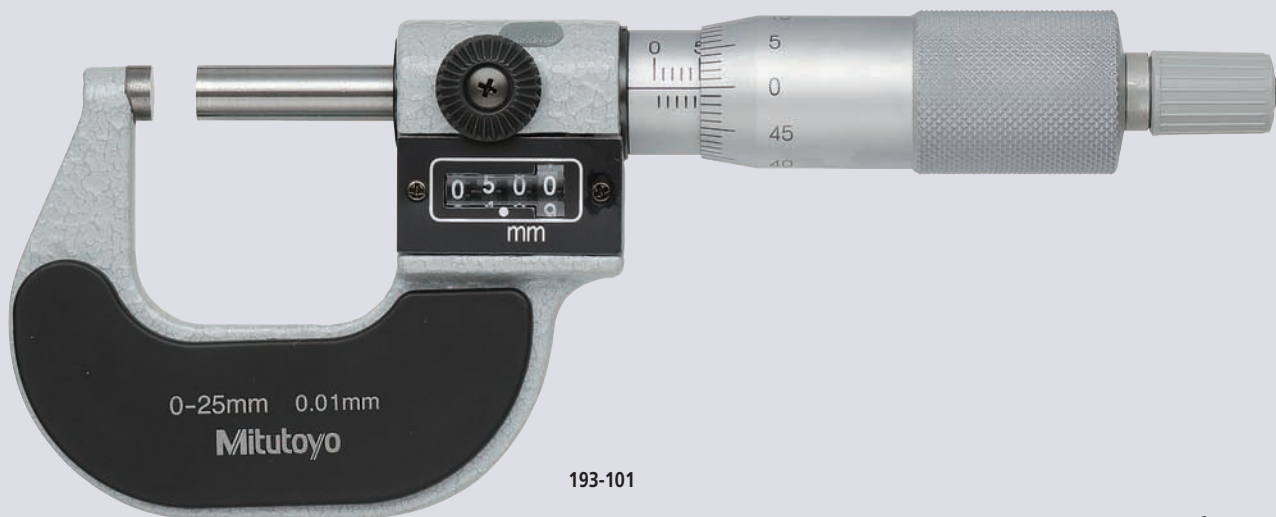
193-101

Lightweight Build: Durable, baked-enamel frame for workshop use.
Consistent Accuracy: Ratchet Stop ensures constant measuring force.
Fast, Precise Readings: Satin chrome scales offer clear, easy-to-read measurements.

156-101-10

103-139-10

Convenient: Ideal for bench-top use with micrometers.
Versatile: Fits micrometers with a 0±100 mm range, with an adjustable angle.

No.	Description	Range	Scale Graduation	List Price €	Promotion Price €
193-101	Digit Outside Micrometer	0-25 mm	0,01 mm	155,00 €	**119,00 €**
103-129	Outside Micrometer Economy Design	0-25 mm	0,001 mm	80,00 €	**63,90 €**
103-137	Outside Micrometer Economy Design	0-25 mm	0,01 mm	59,00 €	**46,90 €**
103-138	Outside Micrometer Economy Design	25-50 mm	0,01 mm	84,00 €	**66,90 €**
103-139-10	Outside Micrometer Economy Design	50-75 mm	0,01 mm	110,00 €	**87,90 €**
156-101-10	Micrometer Stand, Adjustable Angle Type			70,00 €	**55,90 €**

Dial Indicators

Versatile Options: Compact, Standard,
and Back-Plunger Types available.
Flexible Design: Bezel clamp and lifting lever
attach on either side-tool-free installation.
Enhanced Protection: No screw holes and
O-ring seal prevent water and oil penetration.
Reliable Performance: Stem bush ensures smooth
clamping, with oil-resistant materials for durability.

No.	Description	Range	Scale Graduation	Special Feature	List Price €	Promotion Price €
2046A	Dial Gauge, Lug Back, ISO Type	10 mm	0,01 mm	Lug back	49,00 €	38,90 €
2046AB	Dial Gauge, Flat Back, ISO Type	10 mm	0,01 mm	Flat Back Plate	48,00 €	37,90 €
1044A	Dial Gauge, Lug Back, ISO Type	5 mm	0,01 mm	Lug back	76,00 €	60,90 €
1160A	Dial Gauge, ISO Type	5 mm	0,01 mm	Back plunger	146,00 €	119,00 €
2050AB-19	Dial Gauge, Flat Back, ISO Type	20 mm	0,01 mm	Flat Back Plate	110,00 €	88,90 €
2052AB-19	Dial Gauge, Flat Back, ISO Type	30 mm	0,01 mm	Flat Back Plate	140,00 €	109,00 €
2929AB	One Revolution Dial Gauge, Flat Back, ISO Type	0,8 mm	0,01 mm	Flat Back Plate	114,00 €	90,90 €
513-404-10E	Dial Test Indicator, Horizontal Type	0,8 mm	0,01 mm		105,00 €	84,90 €

Dial- and Vernier Caliper

Effortless Use: Ultra-smooth sliding with high shock protection.
Clear Visibility: Large-character dial for easy reading.

No.	Description	Range	Scale Graduation	Special Feature	List Price €	Promotion Price €
505-730	Dial Caliper	0-150 mm	0,02 mm	2 mm/rev	122,00 €	90,90 €
505-732	Dial Caliper	0-150 mm	0,01 mm	1 mm/rev	140,00 €	99,90 €
530-101	Vernier Caliper	0-150 mm	0,05 mm		38,00 €	29,90 €
530-104	Vernier Caliper	0-150 mm	0-6 , 0,05 mm		39,00 €	30,90 €
531-122	Vernier Caliper with Thumb Clamp	0-150 mm	0-6 , 0,05 mm		47,00 €	37,90 €

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Bore Gauge

Bore Gauge for Extra Small Holes

Ideal for Small Bores: Two-point split
contact ideal for precise measurements.
Quick & Accurate: Designed for fast,
reliable small hole diameter readings.
Durable Contact Points: Hard chrome
coating ensures long-lasting performance.

Bore Gauge

Self-Centering Bore Gauge: Automatically
aligns via a centering bridge.
High Accuracy: Hollow grip reduces hand-heat impact by 50%.
Precision Steps: Includes 0,5 mm interchangeable washers for fine adjustments.
Durable Contact Points: Carbide (>18 mm range) ensures wear resistance and long life.

Bore Gauge for Blind Holes

Accurate Access: Measures inside diameters near the bottom of blind holes.
Durable Contact Points: Carbide construction ensures wear resistance and longevity.

No.	Description	Range	Scale Graduation	Special Feature	List Price €	Promotion Price €
526-127-20	2-Point Inside Measuring Instrument	10-18 mm	0,01 mm	Extra Small Holes	407,00 €	329,00 €
511-425-20	2-Point Inside Measuring Instrument	15-35 mm	0,01 mm	Blind Holes	536,00 €	429,00 €
511-437-20	2-Point Inside Measuring Instrument	50-150 mm	0,001 mm	Blind Holes	824,00 €	659,00 €
511-712-20	2-Point Inside Measuring Instrument	35-60 mm	0,01 mm		311,00 €	249,00 €
511-713-20	2-Point Inside Measuring Instrument	50-150 mm	0,01 mm		324,00 €	259,00 €
511-714-20	2-Point Inside Measuring Instrument	100-160 mm	0,01 mm		510,00 €	409,00 €
511-724-20	2-Point Inside Measuring Instrument	100-160 mm	0,001 mm		586,00 €	469,00 €
511-725-20	2-Point Inside Measuring Instrument	160-250 mm	0,001 mm		707,00 €	569,00 €
511-716-20	2-Point Inside Measuring Instrument	250-400 mm	0,01 mm		751,00 €	599,00 €

3-Point Internal Micrometer

No.	Description	Range	Scale Graduation	List Price €	Promotion Price €
368-911	3-Point Internal Micrometer Holtest Set	6-12 mm (3 pcs.)	0,001 mm	1.091,00 €	899,00 €
368-765	3-Point Internal Micrometer Holtest	16-20 mm	0,005 mm	390,00 €	309,00 €
368-766	3-Point Internal Micrometer Holtest	20-25 mm	0,005 mm	393,00 €	319,00 €
368-767	3-Point Internal Micrometer Holtest	25-30 mm	0,005 mm	420,00 €	339,00 €
368-768	3-Point Internal Micrometer Holtest	30-40 mm	0,005 mm	464,00 €	379,00 €
368-769	3-Point Internal Micrometer Holtest	40-50 mm	0,005 mm	473,00 €	379,00 €

Economy Holtest

Affordable: Economy version
of a three-point internal micrometer.
Durable: Hardened tool steel anvils and
tapers for reliable performance.
Basic Setup: Delivered without setting
rings and extension rod.

Analog Holtest Set

Stable Measurements: Automatic
centering for accuracy.
Durable Surface: Titanium coated
tungsten carbide (6-12 mm).
Complete Kit: Includes 2 setting
rings and 1 extension.

Above-mentioned prices are Mitutoyo s suggested non-binding retail prices without VAT.

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Laser Scan Micrometer Bundles
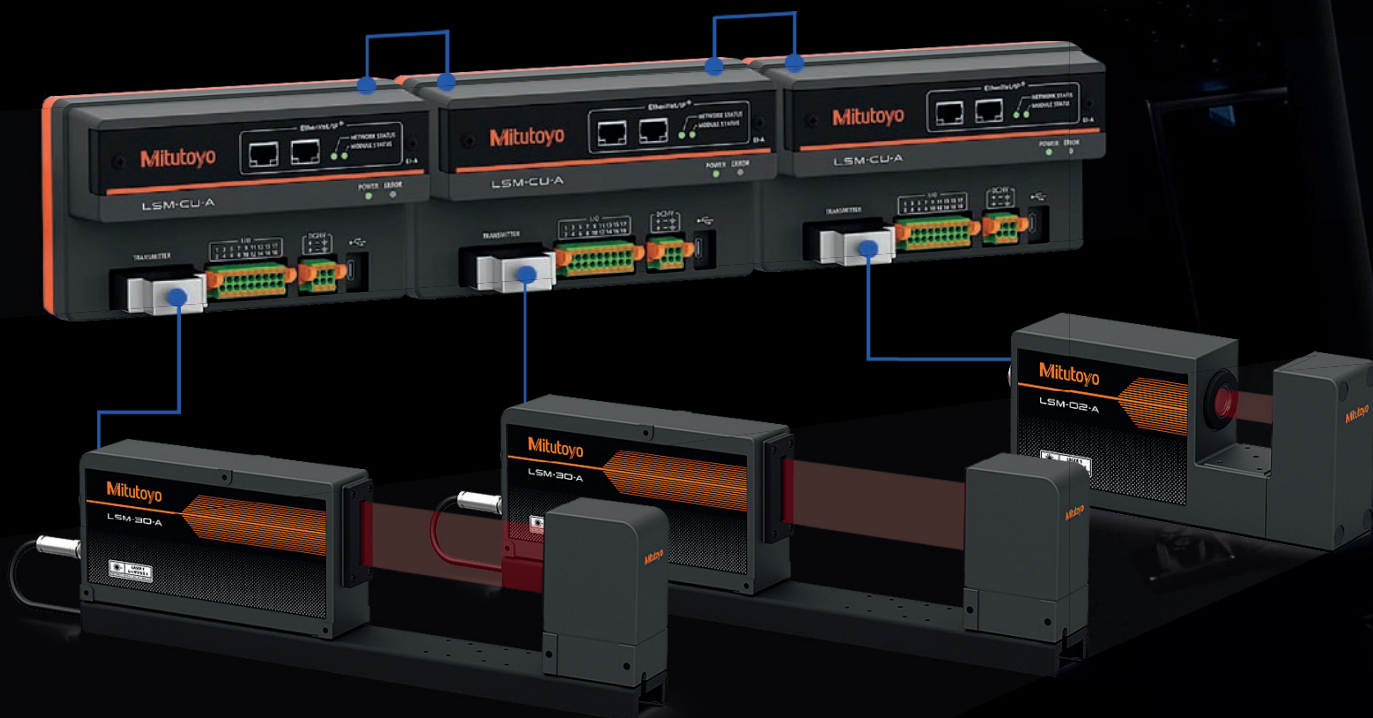
Modular and Daisy-Chainable Controller with Industrial Interfaces.

High Accuracy Non-contact In-Line Measuring for Industrial Applications.
Dual Use of LSM-30-A for Diameters Up to 160 mm.
Interfaces for Main Industrial Network Protocols.
IP67 Protection Grade.

Bundles metric

Name Code No.	LSM	Controller Unit	Calibration Set	Measuring Range	Full Range Repeatability	Resolution	Scanning Rate	Standard Interface	List Price €	Promotion Price €
LSM-30-mm-SET1 LSMSET001	30 mm sensor (1 pc)	Metric, terminal sockets for I/O and power	Consists of case, stand, 1 and 30 mm gages	0,3-30 mm	±0,09 μm	0,01 μm	3200/s	USB-C	7.561,00 €	6.809,00 €
LSM-02-mm-SET4 LSMSET004	2 mm sensor (1 pc)	Metric, terminal sockets for I/O and power	Consists of case, stand, 0,1 and 2 mm gages	0,005-2 mm	±0,03 μm	0,01 μm	3200/s	USB-C	7.166,00 €	6.459,00 €

Bundles metric/inch

Name Code No.	LSM	Controller Unit	Calibration Set	Measuring Range	Full Range Repeatability	Resolution	Scanning Rate	Standard Interface	List Price €	Promotion Price €
LSM-30-mm/in-SET2 LSMSET002	30 mm sensor (1 pc)	Metric/inch, terminal sockets for I/O and power	Consists of case, stand, 1 and 30 mm gages	0,3-30 mm	±0,09 μm	0,01 μm	3200/s	USB-C	7.561,00 €	6.809,00 €
LSM-02-mm/in-SET3 LSMSET003	2 mm sensor (1 pc)	Metric/inch, terminal sockets for I/O and power	Consists of case, stand, 0,1 and 2 mm gages	0,005-2 mm	±0,03 μm	0,01 μm	3200/s	USB-C	7.166,00 €	6.459,00 €
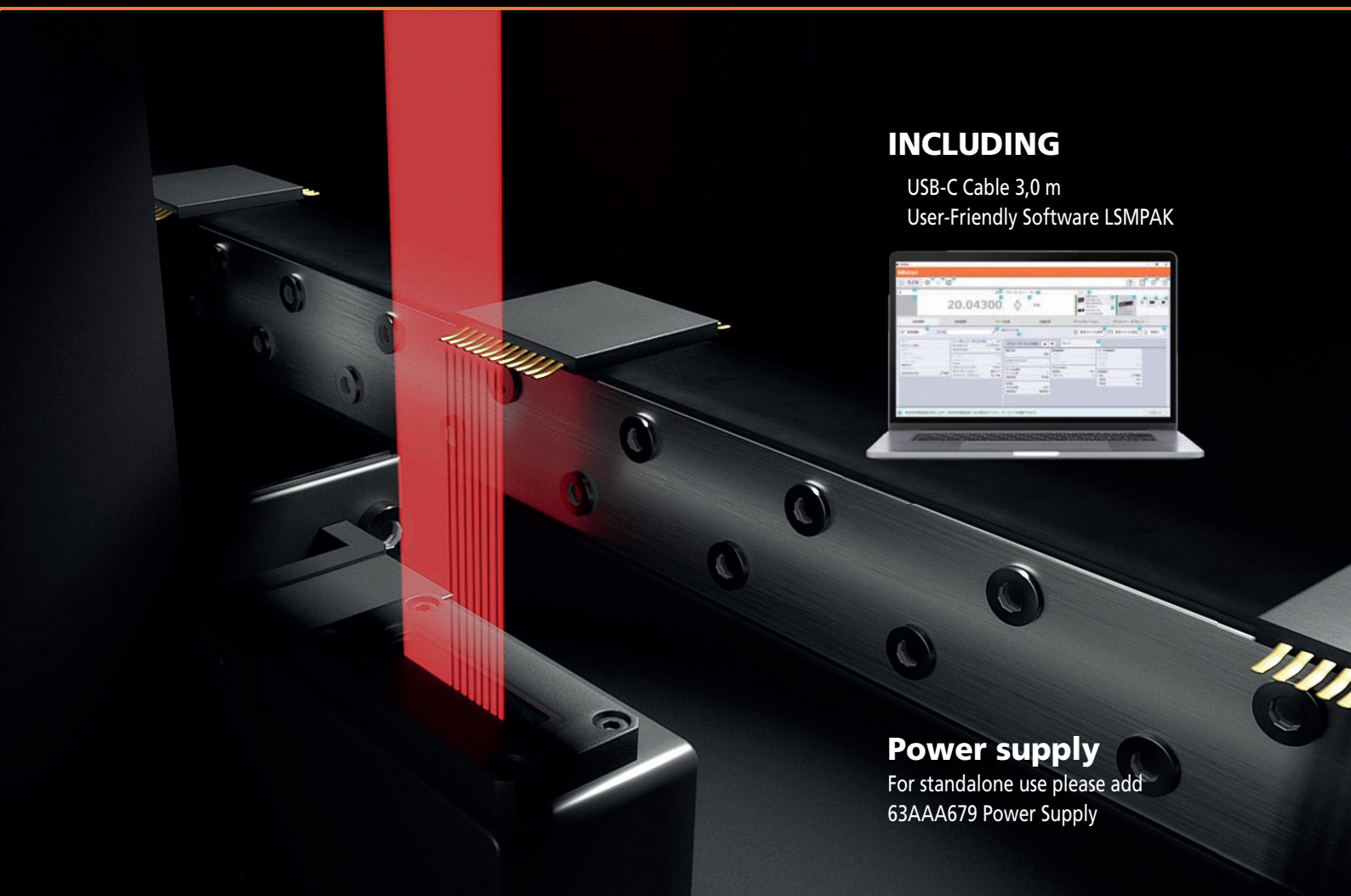
INCLUDING

USB-C Cable 3,0 m
User-Friendly Software LSMPAK

Power supply
For standalone use please add
63AAA679 Power Supply

Interface Options

Industrial Interface units for LSM A Controllers

Code No.	Name	Interface Type	Ports Interface Side	List Price €
02AGQ300	LSM-EI-A	EtherCAT	2x RJ-45	745,00 €
02AGQ370	LSM-EC-A	Profinet	2x RJ-45	745,00 €
02AGQ350	LSM-PN-A	Ethernet/IP	2x RJ-45	745,00 €
02AGQ390	LSM-CC-A	CC-Link	2x RJ-45	745,00 €

Optional power supply parts

Code No.	Description	List Price €
63AAA679	LSM power supply 24VDC/5A with EU power cord only	300,00 €
21HZA209	DC Jack adapter for power supply	on request

Above-mentioned prices are Mitutoyo s suggested non-binding retail prices without VAT.

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Linear Gauge Bundles

LG Bundle Common Features

Flexible Setup: Connect up to 2 linear gauges
per EJ-Counter, 8 counters per interface.
Signal Support: Works with differential
square wave signals.
Easy Mounting: DIN rail compatible,
3,0 m USB-C cable included.

Name Code No.	Counter Type	Interface Type	Features					List Price €	Promotion Price €
			Max. Resolution(mm)	Max. Resolution(inch)	Ports Counter Side	Ports Interface Side			
EJ-PN-SET1 EJSET001	EJ-counter, metric	Profinet	0,0001 mm		2x Linear Gage	USB-C 2.0	2x RJ-45	1.701,00 €	1.399,00 €
EJ/in-PN-SET1 EJSET002	EJ-counter, metric/inch	Profinet	0,0001 mm	0,000005	2x Linear Gage	USB-C 2.0	2x RJ-45	1.701,00 €	1.399,00 €
EJ-EC-SET3 EJSET003	EJ-counter, metric	EtherCAT	0,0001 mm		2x Linear Gage	USB-C 2.0	2x RJ-45	1.790,00 €	1.469,00 €
EJ/in-EC-SET4 EJSET004	EJ-counter, metric/inch	EtherCAT	0,0001 mm	0,000005	2x Linear Gage	USB-C 2.0	2x RJ-45	1.790,00 €	1.469,00 €
EJ-EI-SET5 EJSET005	EJ-counter, metric	Ethernet/IP	0,0001 mm		2x Linear Gage	USB-C 2.0	2x RJ-45	1.762,00 €	1.449,00 €
EJ/in-EI-SET6 EJSET006	EJ-counter, metric/inch	Ethernet/IP	0,0001 mm	0,000005	2x Linear Gage	USB-C 2.0	2x RJ-45	1.762,00 €	1.449,00 €
EJ-CC-SET7 EJSET007	EJ-counter, metric	CC-Link	0,0001 mm		2x Linear Gage	USB-C 2.0	1x Phoenix Contact connector 1876631	1.687,00 €	1.389,00 €
EJ/in-CC-SET8 EJSET008	EJ-counter, metric/inch	CC-Link	0,0001 mm	0,000005	2x Linear Gage	USB-C 2.0	1x Phoenix Contact connector 1876631	1.687,00 €	1.389,00 €
EJ-US-SET10 EJSET010	EJ-counter, metric	USB	0,0001 mm		2x Linear Gage	USB-C 2.0		1.130,00 €	929,00 €
EJ/in-US-SET9 EJSET009	EJ-counter, metric/inch	USB	0,0001 mm	0,000005	2x Linear Gage	USB-C 2.0		1.130,00 €	929,00 €

Download Software here:

Free software available

LGQuickSetup Tool.
PLC configuration files.

Power supply

For standalone use please add 357651 Power
Supply 12V/DC (not included in bundle)
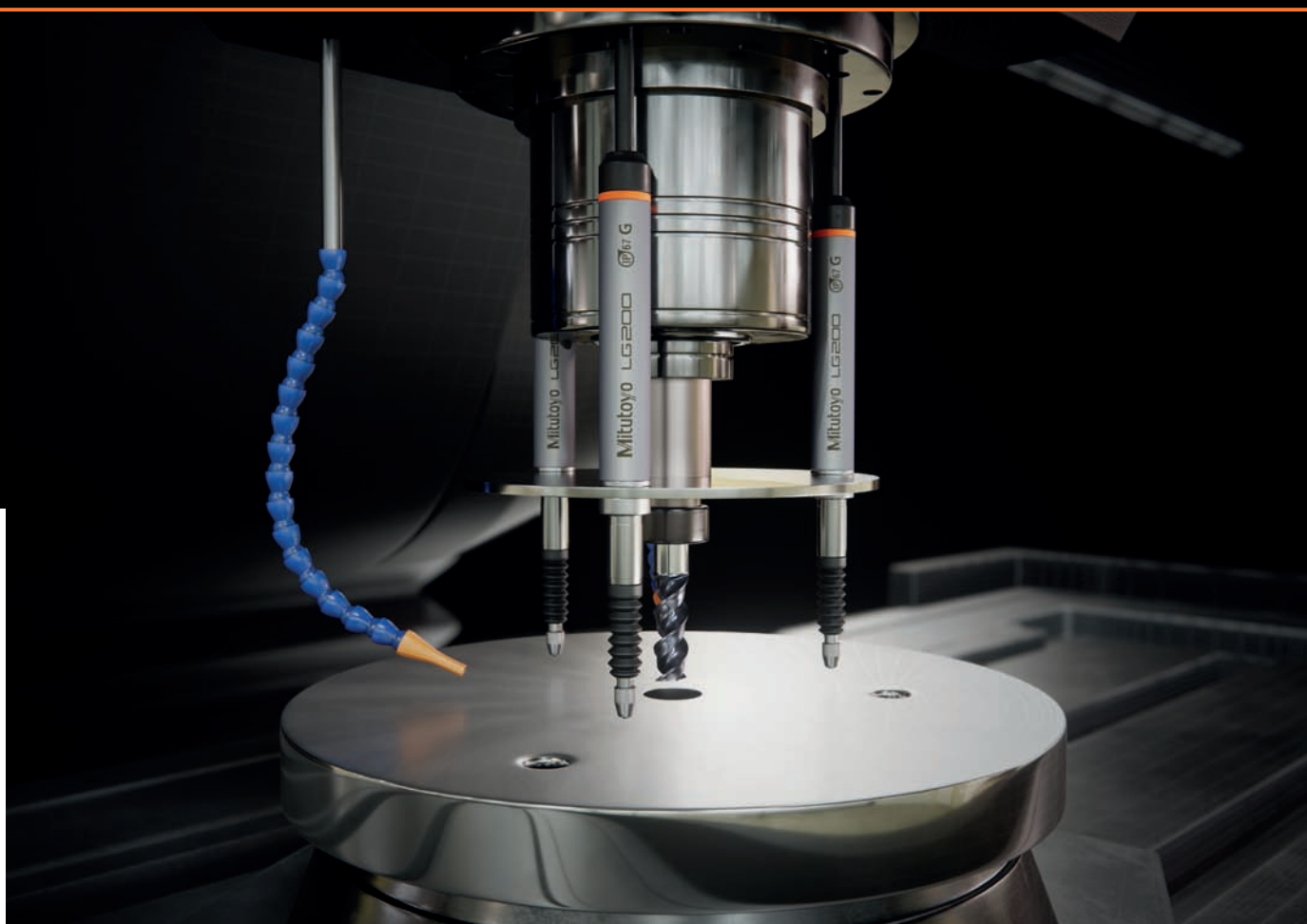
Optional Linear Gauge Counters

Code No.	Name	Interface Type	Max. Resolution (mm)	Max. Resolution (inch)	Ports Counter Side	List Price €	Promotion Price €
542-080	EJ-102N Counter	EJ-counter, metric	0,0001 mm		2x Linear Gage	630,00 €	**519,00 €**
542-081	EJ-102NE Counter	EJ-counter, metric/inch	0,0001 mm	0,000005	2x Linear Gage	630,00 €	**519,00 €**

Optional Power Supply parts

Code No.	Description	List Price €
357651	Standard 12V DC/4A desktop power supply	87,00 €
21HZA209	DC JACK WITH PIN TERMINAL (when using 357651)	On request
02ZAA030	UK AC power cable set for 357651- 12V power supply	17,00 €
02ZAA020	CEE AC power cable set for 357651- 12V power supply	17,00 €

Find compatible linear gauges on page 27

Above-mentioned prices are Mitutoyo s suggested non-binding retail prices without VAT.

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Linear Gauge Bundles

Counters with CEE Power Supply			Output				Linear Gauge Compatibility			List Price €	Promotion Price €
542-007D	Display Unit EC-Counter	1 axis Digimatic counter	Digimatic output only				LGS			393,00 €	319,00 €
542-075D	Linear Gauge Counter EH-101P	1 axis counter	USB interface	RS232C	RS-Link	No origin point detection		LG100	LG200	1.008,00 €	829,00 €
542-071D	Linear Gauge Counter EH-102P	2 axis counter	USB interface	RS232C	RS-Link	No origin point detection		LG100	LG200	1.226,00 €	999,00 €
542-073D	Linear Gauge Counter EH-102Z	2 axis counter	USB interface	RS232C	RS-Link	With origin point detection		LG100	LG200	1.401,00 €	1.149,00 €
542-072D	Linear Gauge Counter EH-102D	2 axis Digimatic counter	USB interface	RS232C	RS-Link		LGS			1.226,00 €	999,00 €

Counters with UK Power Supply			Output				Linear Gauge Compatibility			List Price €	Promotion Price €
542-007E	Display Unit EC-Counter	1 axis Digimatic counter	Digimatic output only				LGS			393,00 €	319,00 €
542-075E	Linear Gauge Counter EH-101P	1 axis counter	USB interface	RS232C	RS-Link	No origin point detection		LG100	LG200	1.008,00 €	829,00 €
542-071E	Linear Gauge Counter EH-102P	2 axis counter	USB interface	RS232C	RS-Link	No origin point detection		LG100	LG200	1.226,00 €	999,00 €
542-073E	Linear Gauge Counter EH-102Z	2 axis counter	USB interface	RS232C	RS-Link	With origin point detection		LG100	LG200	1.401,00 €	1.149,00 €
542-072E	Linear Gauge Counter EH-102D	3 axis Digimatic counter	USB interface	RS232C	RS-Link		LGS			1.226,00 €	999,00 €

Software			Counter compatibility			List Price €	Promotion Price €
02NGB072	SENSORPAK/E V3.0	Measurement data aquisition software	EH-P	EH-D	EH-Z	892,00 €	779,00 €

Accessories			Counter compatibility			List Price €	Promotion Price €
21HZA195	Exchange plug for P Counter	Required when using EH-P counter	LG100	LG200	EH-P	53,20 €	on request
21HZA196	Exchange plug for Z Counter	Required when using EH-Z counter	LG100	LG200	EH-Z	61,50 €	on request

Linear Gauges Type		Range	Digital Step	Feature	IP Level	Absolute function	Counter Compatibility					List Price €	Promotion Price €
575-303	LGS-1012PE	12,7 mm	0,01 mm	DIGIMATIC	IP66	ABSOLUTE™				EH-D	EC	225,00 €	179,00 €
575-313	LGS-1012PE	0,5 inch	0,01 mm	DIGIMATIC	IP66	ABSOLUTE™				EH-D	EC	231,00 €	189,00 €
542-190	LG100-110	10,0 mm	1,0 µm		IP67 G		EJ bundle	EH-P	EH-Z			725,00 €	599,00 €
542-191	LG100-0510	10,0 mm	0,5 µm		IP67 G		EJ bundle	EH-P	EH-Z			725,00 €	599,00 €
542-192	LG100-0110	10,0 mm	0,1 µm		IP67 G		EJ bundle	EH-P	EH-Z			772,00 €	629,00 €
542-193	LG100-125	25,0 mm	1,0 µm		IP67 G		EJ bundle	EH-P	EH-Z			899,00€	739,00 €
542-194	LG100-0525	25,0 mm	0,5 µm		IP67 G		EJ bundle	EH-P	EH-Z			899,00€	739,00 €
542-195	LG100-0125	25,0 mm	0,1 µm		IP67 G		EJ bundle	EH-P	EH-Z			955,00 €	789,00 €
542-196	LG100-150	50,0 mm	1,0 µm		IP67 G		EJ bundle	EH-P	EH-Z			1.076,00 €	889.00 €
542-197	LG100-0550	50,0 mm	0,5 µm		IP67 G		EJ bundle	EH-P	EH-Z			1.076,00 €	889.00 €
542-186	LG200	10,0 mm	1,0 µm		IP67 G		EJ bundle	EH-P	EH-Z			837,00 €	689,00 €
542-187	LG200-0510	10,0 mm	0,5 µm		IP67 G		EJ bundle	EH-P	EH-Z			837,00 €	689,00 €
542-188	LG200-0110	10,0 mm	0,1 µm		IP67 G		EJ bundle	EH-P	EH-Z			941,00 €	769,00 €

System Configuration

LG100 Series

LG200 Series

Compact-type counter EJ Series*3

Multi-functional counter
EH counter*2

RS232C/USB*1

USB

PC

Industrial IF/IO

2-phase square wave

RS-232

PLC

*1 USB output of EH counter is specifically for SENSORPAK.
*2 A conversion plug is required for connecting to EH counter.
*3 Conventional gauges can be connected using conversion cables.
   (Please contact us for details of connectable gauges).

IP67 G	Harsh Environment Protection Level	Protection class IP67 offers full dust and waterproofness (30 minutes, 1 m deep). The G indicates additional resistance to oil.

Above-mentioned prices are Mitutoyo s suggested non-binding retail prices without VAT.

27

Linear Gauge Bundles

Environment-Resistant

LG100

Phase-A/B/Z With origin point mark · IP67 · G

Measuring range: 10 mm / 25 mm / 50 mm
Resolution: 1 µm/0,5 µm/0,1 µm

Slim Type

LG200*

Phase-A/B · IP67 · G

Measuring range: 10 mm
Resolution: 1 µm/0,5 µm/0,1 µm

*Function of reference point detection on counter is disabled

Conversion plug
21HZA196

Conversion plug
21HZA195

Digimatic output Type

LGS

Digimatic · IP66

Measuring range: 12,7 mm
Resolution: 10 µm

DIN Rail-Mounted Type

EJ-102N

Phase-A/B/Z
With origin point mark

2-axis input, subtraction calculations
8 units can be connected

Panel Mount

EH-102Z

Phase-A/B/Z
With origin point mark

2-axis input, subtraction calculations
Multi-function

EH-101P (1 axis)
EH-102P (2 axes)

Phase-A/B

Multi-function

EH-102D

Digimatic

2-axis input, subtraction calculations
Multi-function

Compact Display Unit

EC-101D

Digimatic

1-axis input

Interface Unit

CC-Link
21HZA186

PROFINET
21HZA187

EtherNet/IP
21HZA188

EtherCAT
21HZA264

USB
21HZA149

Setup Tool for EJ Counters

LG QuickSetupTool
(can be downloaded for free from the Mitutoyo website)
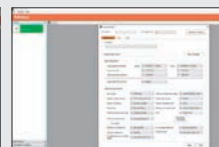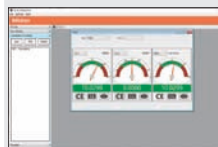
Measurement Data Acquisition Software

SENSORPAK

Above-mentioned prices are Mitutoyo s suggested non-binding retail prices without VAT.

29

The Next-Generation Roundtracer Flash

Equipped with a state-of-the-art graphical user Interface
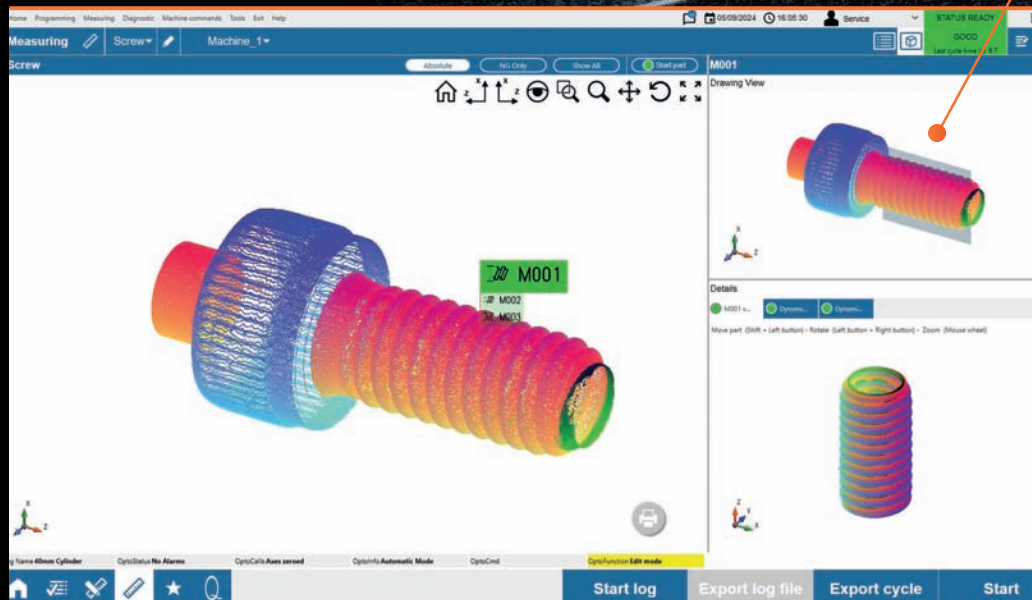
With the Roundtracer Flash, your e investing in precision, reliability, and future-ready technology.

All the features you trust, now better than ever.
Sleek, modern design built to impress.
Enhanced capabilities for top-notch performance.
Re-engineered for effortless usability.
Upgraded experience without compromising reliability.
Higher Load Capacity: New motor handles
up to 15 kg for greater versatility.
Easy Maintenance: Quick-access housing
reduces downtime.
Optional Automation: Motorized upper center
for automatic loading/unloading (sold separately).
Familiar Software: Same interface,
no extra training needed.
Quick Setup: Redesigned for faster installation.

Discover our products:

Mount & Start
Two step measurement

Single-button measurement

Above-mentioned prices are Mitutoyo s suggested non-binding retail prices without VAT.

31

The New Surftest SJ-220

Pocket-Size Precision for Surface Roughness Measurement

The brand-new Surftest SJ-220 is a mobile surface roughness tester. Compact and battery-powered, touchscreen equipped, the SJ-220 is highly portable making it perfect for on-the-go use.

Increasing Knowledge: All About the SJ-220

Overview of Surftest SJ-220: Introduction to the features and capabilities of the SJ-220.
Calibration: Step-by-step guidance on how to properly calibrate the device.
Performing Measurements: Detailed instructions for conducting accurate surface measurements.
Theory and Measurement (ISO 21920 & ISO 4287): Understanding measurement theory and standards according to ISO 21920 and ISO 4287.
Measurement Data and Tolerance: How to interpret measurement data and ensure tolerance compliance.
Measure via Android Phone and PC: Convenient methods for measuring with your Android phone or PC.
Accessories: Overview of available accessories for enhanced measurement experience.
Settings: Instructions for configuring settings for optimal performance.
Final Test: A final test to assess and reinforce your knowledge of the SJ-220.

E-Learning

NEW

Find out more here:

Easy-to-Use: 2,8˝ color LCD with touchscreen, similar to smartphone navigation.
Wireless Connectivity: Optional Bluetooth for communication with Android devices (via free app) and PCs (via free SJ-Communication-Tool software). ISO 21920 support.
Intuitive Navigation: Simple menu design.
Multilingual: Supports 25 languages.

Expand functionality by linking with a smartphone !

Above-mentioned prices are Mitutoyo s suggested non-binding retail prices without VAT.

33

SmartMeasure-AL

The SmartMeasure-AL is an advanced system for automatic
measurements on Coordinate Measuring Machines (CMMs).
The complete system includes a pick-up rack, an I/O station,
a storage system, system pallets, a collaborative robot, and a CMM.

Easy To Use - The intuitive GUI requires very little training for operation.
Smart Connectivity - Able to connect to a variety of devices and software.
Turnkey Solution - Easy and quick setup.
Easy Reporting - Display and export results with ease, even via production software.
Multiple Part Measurement - Different parts can be measured due to fixtures with RFID chips.
Superior Setup Flexibility - A large variety of applications can be set up with ease.

Automatic Quality Control System

Turnkey Solution
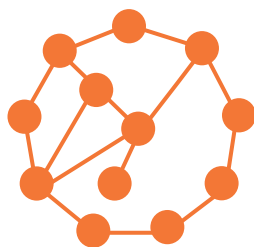
Smart Connectivity

Modular Configuration

24/7 Operation

The Perfect Solution, Regardless of Industry

Additive Manufacturing

Medical
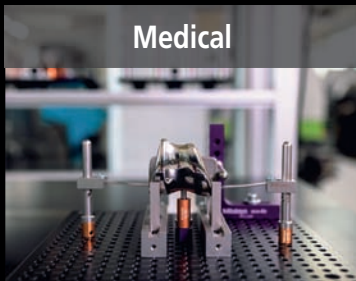
Aerospace

Electric Vehicle

Above-mentioned prices are Mitutoyo s suggested non-binding retail prices without VAT.

35
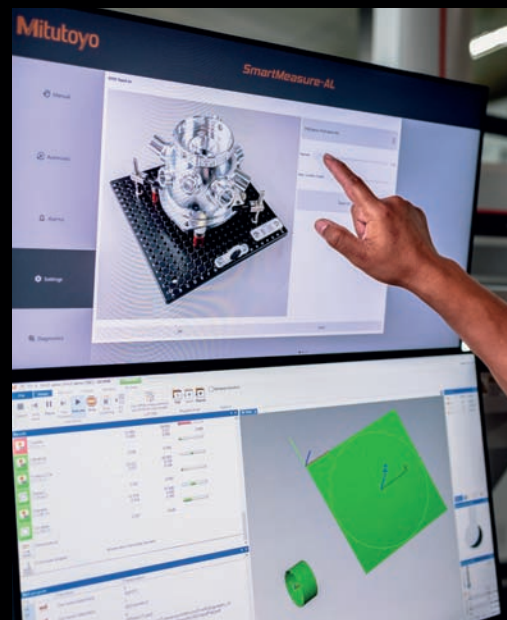
WLI-Unit for Precise 3D Measurement

PROFILE AND ROUGHNESS DOWN TO THE NANOMETER

The White Light Interferometer (WLI) Unit combines the advantages of a non-touching and fast optical 3D sensor and profilometer by white light interferometry. The interferometer technology enables measurements of roughness and topography down to nanometer resolution. WLI components are flexible to use as separate OEM items or combined for integration in production environment and as a stand-alone table-top measurement system.

Discover our products:

WLI-Unit

High-Accuracy: Non-contact
3D topography and roughness measurement.
Stable: Height accuracy independent of magnification.
Durable: Vibration-resistant, compact, and lightweight.

Objectives shown mounted on WLI-U are optional.

WLI Plan Apo

Optimized Design: Matches WLI-Unit.
Long Distance: 60 mm parfocal length.
High Performance: High NA, resolution, and plan apochromat.
Integrated: Beam splitter, reference mirror, and fringe adjustment.

WLI Measurement Example

Roughness specimen 3 µm
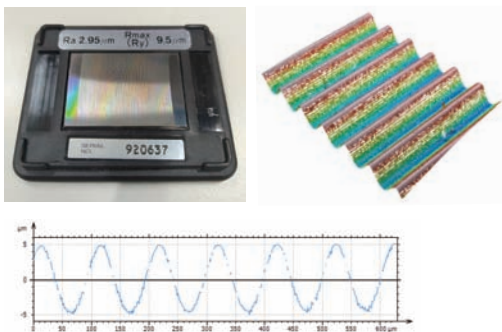
Metal machined surface (aluminum)
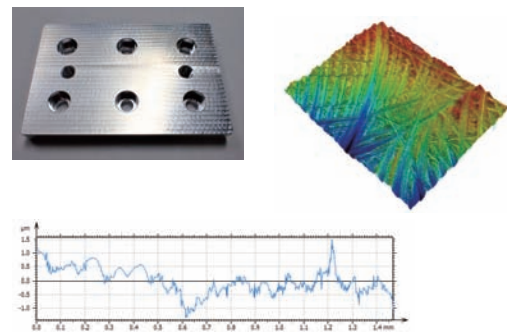
Cu pattern (glass substrate)
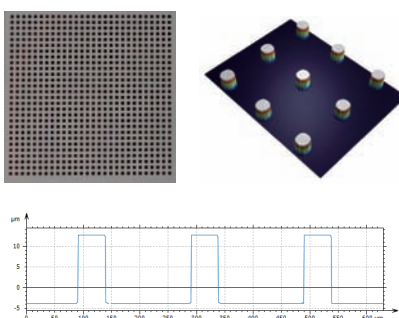
Semiconductor test pattern (TEG)
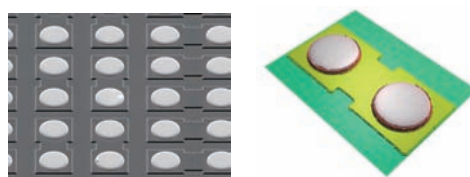
Provided by Walts Co., Ltd. and ASK INDEX

Above-mentioned prices are Mitutoyo s suggested non-binding retail prices without VAT.

37

Tools to Kickstart Your Apprenticeship
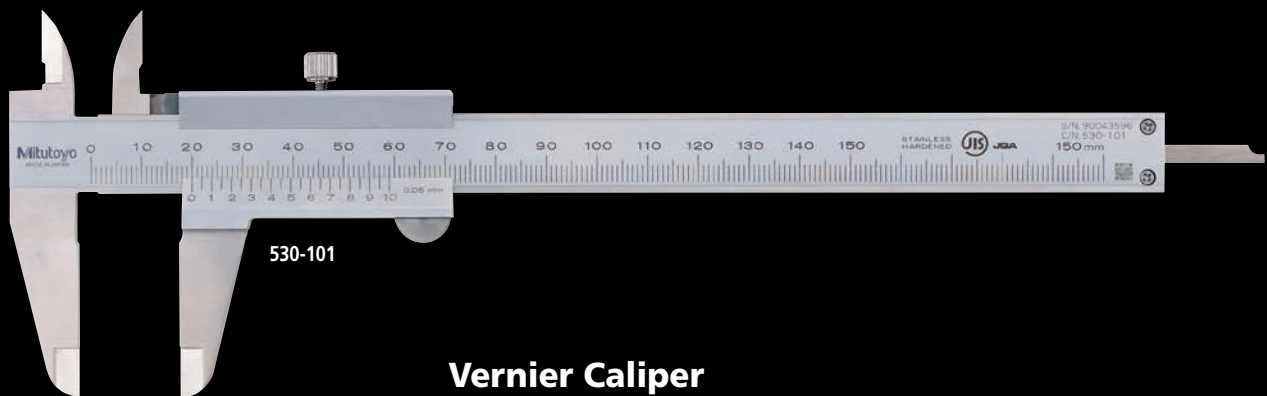
530-101

Vernier Caliper

Versatile Design: Standard outside and inside jaws.
Durable Construction: Hardened stainless steel
with satin-chromed, easy-to-read scales.

Outside Micrometer Economy Design

Entry-level analog micrometer
Reliable: Ratchet stop ensures repeatable measurements.

103-137

No.	Description	Range	Scale Graduation	List price €	Promotion price €
530-101	Vernier Caliper	0-150 mm	0,05 mm	38,00 €	29,90 €
103-137	Outside Micrometer Economy Design	0-25 mm	0,01 mm	59,00 €	46,90 €

Vernier Height Gauge

Accurate and fast readings thanks to the
satin chrome finished main and vernier scales.
A carbide-tipped scriber is provided.

For the best start in the industry

As you adjust to your new
life-changing role,
you need to rely on
robust, high quality
instruments that won t
let you down.
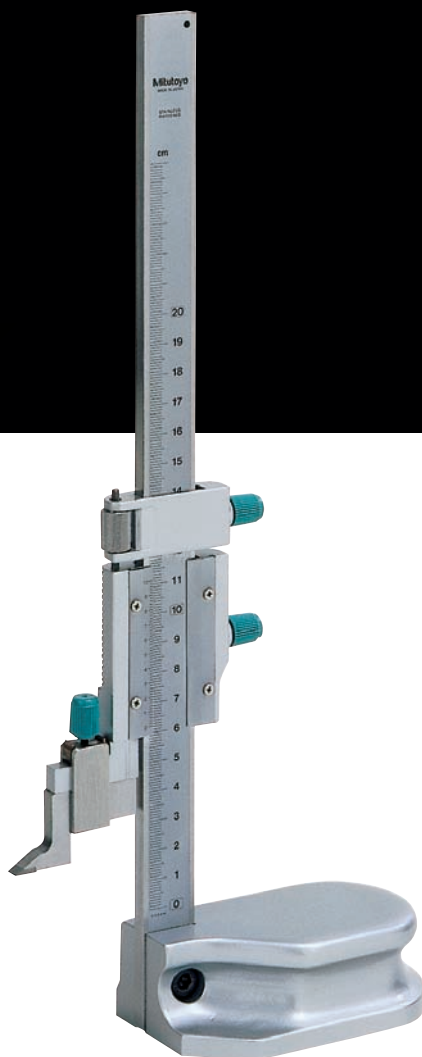
506-207
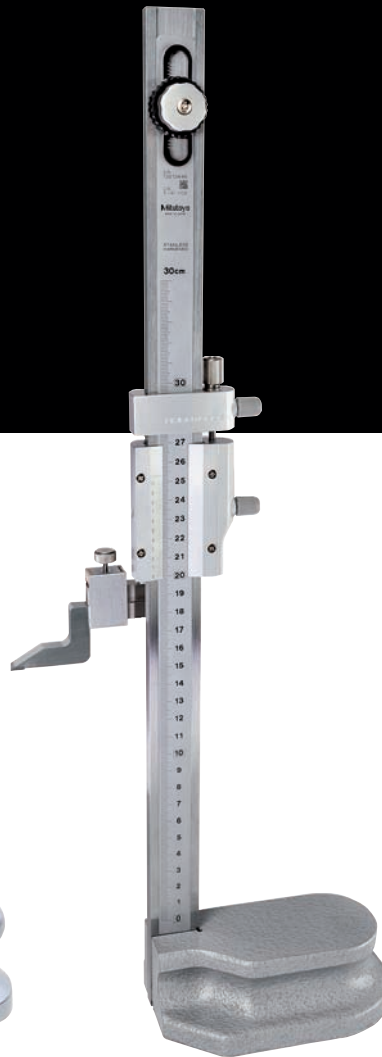
514-102

No.	Description	Range	Scale Graduation	List price €	Promotion price €
506-207	Vernier Height Gauge	0-200 mm	0,02 mm	415,00 €	329,00 €
514-102	Vernier Height Gauge	0-300 mm	0,02 mm	498,00 €	399,00 €

Above-mentioned prices are Mitutoyo s suggested non-binding retail prices without VAT.

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