



**Mitutoyo Absolute Digimatic calipers**

Mitutoyo digital calipers equipped with an AOS inductive encoder. The measuring signal is not affected by dirt (water, oil, etc.) on the ruler surface due to the electromagnetic inductive ABS encoder. The one-time setting of origin remains as the absolute zero position until the battery has to be changed.

- Measuring range: 0- 300 mm.
- Resolution: 0.01 mm.
- ABS/INC switchable.
- With or without Digimatic data output.
- Reset.
- Max. measuring speed: unlimited.
- Flat depth rod (except 500.158, 500.180, 500.184 and 500.203: round depth rod  $\phi$  1.9 mm).
- Protection: IP40.
- DIN 862.
- Delivered in a plastic case with a manufacturer measuring report.
- Power supply: 1 battery type V357.



Item No.	Measuring range/mm	Jaw length mm
<b>Without Digimatic data output:</b>		
500.180 <sup>1</sup>	0- 100	40
500.181	0- 150	40
500.184 <sup>1</sup>	0- 150	40
500.182	0- 200	50
<b>With Digimatic data output:</b>		
500.161	0- 150	40
500.203 <sup>1</sup>	0- 150	40
500.158 <sup>1,2</sup>	0- 150	40
500.151	0- 150	40
500.162	0- 200	50
500.152 <sup>2</sup>	0- 200	50
500.205	0- 300	64
500.153 <sup>2</sup>	0- 300	64

<sup>1</sup> With round depth rod  $\phi$  1.9 mm.  
<sup>2</sup> With thumb wheel.  
<sup>3</sup> With data switch.  
<sup>4</sup> Connector + transmitter are needed.



**Options**

Item No.	Description
836.535	Spare battery
959.149 <sup>3</sup>	Digimatic signal cable 1 m
959.150 <sup>3</sup>	Digimatic signal cable 2 m
106.382 <sup>3</sup>	USB Input Tool Direct cable 2 m
103.309 <sup>3,4</sup>	U-WAVE fit connector
264.620 <sup>4</sup>	U-WAVE fit transmitter IP67
264.621 <sup>4</sup>	U-WAVE fit transmitter
264.624 <sup>4</sup>	U-WAVE Bluetooth transmitter IP 67
264.625 <sup>4</sup>	U-WAVE Bluetooth transmitter

**Mitutoyo Absolute Digimatic Solar caliper IP67**

- Measuring range: 0- 150 mm.
- Resolution: 0.01 mm.
- Reset.
- Round depth rod:  $\phi$  1.9 mm.
- Illumination: minimal 60 lux.
- Protection: IP67.
- DIN 862.
- Delivered in a plastic case with a manufacturer measuring report.



Item No.	Measuring range/mm
500.792	0- 150

**TESA calipers**

- Swiss high-precision stainless steel caliper with a matt chrome-plated beam and vernier.
- Measuring range: 0- 300 mm.
- Vernier: 0.02 mm, 0.05 mm or 0.05 mm / 1/128 inch.
- Locking screw.
- Round ( $\phi$  1.5 mm) or flat (1.5- 2 mm) depth rod.
- DIN 862.
- Delivered in a plastic case with a declaration of conformity.



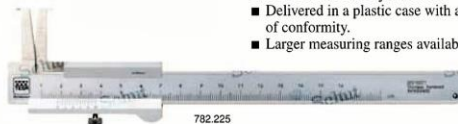
Item No.	Measuring range/mm	Vernier mm/inch	Jaw length mm
<b>With mm graduation:</b>			
781.680	0- 150	0.02	40
783.275	0- 150	0.05	40
<b>With mm/inch graduation:</b>			
783.489	0- 150	0.02/0.001	40
783.276	0- 150	0.05/1/128	40
783.277	0- 200	0.05/1/128	50
783.278	0- 300	0.05/1/128	64



**TESA calipers with outside angled measuring jaws**

Specially designed for measuring bore and internal groove diameters, e.g. on internal safety rings.

- Measuring range: 10- 160 mm.
- Vernier: 0.05 mm.
- Locking screw.
- Hardened stainless steel construction.
- Conforms to factory standard.
- Delivered in a plastic case with a declaration of conformity.
- Larger measuring ranges available on request.



Item No.	Measuring range/mm	Length/mm		
		A	B	C
782.225	10- 160	0.9	3	25
782.226	20- 160	2	5	40

**Mitutoyo caliper inspection set**

For checking the accuracy of DIN 862 calipers.

The set consists of three special steel gauge blocks (30 mm, 41.3 mm and 131.4 mm, ISO 3650 class 1), two steel setting rings ( $\phi$  4 mm and  $\phi$  25 mm) and a pair of gloves.

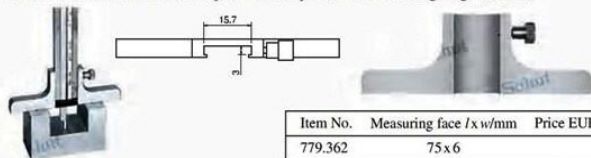
- Delivery in a case with a manufacturer's certificate for the gauge blocks.



Item No.	Description	Price EUR
516.124	Caliper inspection set	

**TESA depth measuring base for calipers**

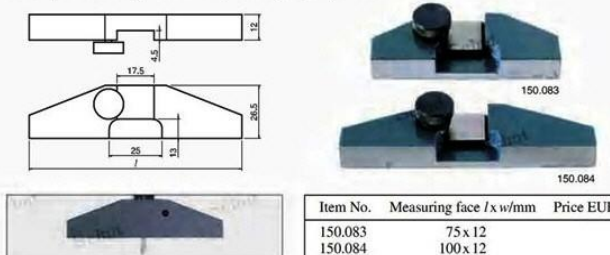
Suitable for most of the TESA calipers with a depth rod and measuring range 150 mm.



Item No.	Measuring face /x w/mm	Price EUR
779.362	75x6	

**Mitutoyo depth measuring bases for calipers**

Universal depth measuring bases for stable and accurate depth measurements. Suitable for most of the calipers with a depth rod and a measuring range up to 200 mm.



Item No.	Measuring face /x w/mm	Price EUR
150.083	75 x 12	
150.084	100 x 12	

**Soft cases for calipers**

Protect calipers during transport and storage.

- For regular shaped calipers (analog, digital and dial type).
- Made of synthetic leather.



Item No.	For meas. range/mm
909.494	100
909.495	150
909.496	160
909.497	200
909.498	300

**Digital protractor**

Compact digital protractor to attach to a caliper or height gauge.

- Measuring range: 180°.
- Resolution: 0.01° or 1'.
- Accuracy:  $\pm 5'$ .
- Digimatic data output.
- On/off switch.
- Automatic switch-off (adjustable).
- Preset or hold function.
- Reset.
- Reversible measuring direction.
- Weight: 160 g.
- Delivery in a case including assembly key, mounting bracket (clamping shaft 9 x 9 mm) and clamping screw for height gauge.
- Power supply: 2 batteries type AAA.



Item No.	Description
855.803	Digital protractor

- Options:**
- 497.914 Spare battery (2 needed)
  - 905.338 Digimatic cable, 1 m
  - 905.409 Digimatic cable, 2 m

**Measuring instruments set**

- Caliper 0- 150 mm, vernier 0.02 mm.
- Micrometer 0- 25 mm, graduation 0.01 mm.
- Precision square 100 x 70 mm.
- Ruler 0- 150 mm.
- Adjustment tool.

Item No.	Description
906.176	Meas. instruments set





## TESA dial calipers

Rugged dial calipers model CCMA-M and CCMA-P, out of hardened stainless steel and with patented shockproof design. Ideal for use in the workshop.

- Measuring range: 0-300 mm.
- Graduation: 0.01 or 0.02 mm.
- 1 pointer revolution = 1 or 2 mm.
- Rotatable dial,  $\phi$ 32 mm.
- Shockproof.

- Thumb wheel (only 782.528/529).
- Hardened stainless steel construction.
- DIN 862.
- Delivery in a case with an inspection report and a declaration of conformity.



Item No.	Measuring range/mm	Price EUR
<b>Graduation 0.02 mm, 1 revolution = 2 mm:</b>		
779.289 <sup>1</sup>	0-150	
779.290	0-150	
782.528 <sup>2</sup>	0-200	
782.529 <sup>2</sup>	0-300	
<b>Graduation 0.01 mm, 1 revolution = 1 mm:</b>		
782.444	0-150	

<sup>1</sup> Plastic dial housing.  
<sup>2</sup> With thumb wheel.

## Mitutoyo dial calipers

Mitutoyo dial calipers, made of special corrosion-free steel, with hardened and lapped measuring faces and protected rack. Measuring jaws and knives with beveled measuring faces. The slider is titanium coated.

- Measuring range: 0-200 mm.
- Graduation: 0.01 mm.
- Accuracy: 0.02 mm.
- 1 pointer revolution = 1 mm.
- Rotatable dial.
- Yellow dial plate.

- Shockproof.
- Thumb wheel (only 505.685/686).
- Caliper and dial with locking screw.
- Dial indicator jewel beared.
- Conforms to factory standard.
- Delivery in a case.



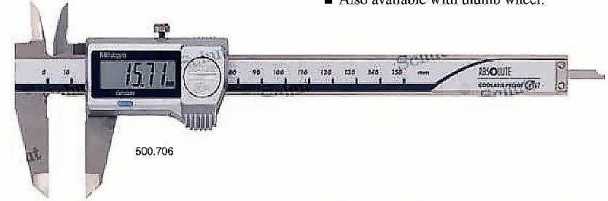
Item No.	Measuring range/mm	Price EUR
505.688	0-150	
505.685 <sup>*</sup>	0-150	
505.686 <sup>*</sup>	0-200	

<sup>\*</sup> With thumb wheel.

## Mitutoyo Absolute Digimatic Coolant Proof calipers IP67

Series digital calipers with the unique Absolute measuring system to prevent inaccuracy because of an incorrect zero position. These IP67 protected calipers are especially suitable for use in production environments; they even last temporary immersion. The one-time setting of origin remains as the absolute zero position until the battery has to be changed.

- Measuring range: 0-300 mm.
- Resolution: 0.01 mm.
- With or without Digimatic data output.
- Digit height: 9 mm.
- Automatic switch-off.
- Reset.
- Max. measuring speed: unlimited.
- Locking screw.
- Flat depth rod (except 500.709: round depth rod  $\phi$  1.9 mm).
- Protection: IP67.
- DIN 862.
- Battery life: approx. 18000 hours.
- Delivery in a case with an inspection report and a declaration of conformity.
- Power supply: 1 battery type V357.
- Also available with thumb wheel.



Item No.	Measuring range/mm	Jaw length mm
<b>Without Digimatic data output:</b>		
500.706	0-150	40
500.709 <sup>1</sup>	0-150	40
500.707	0-200	50
500.708	0-300	64
<b>With Digimatic data output:</b>		
500.716	0-150	40
500.727 <sup>2</sup>	0-150	40
500.717	0-200	50
500.728 <sup>2</sup>	0-200	50
500.718	0-300	64

**Options:**  
836.535 Spare battery  
105.624<sup>3</sup> Digimatic signal cable, 1 m  
105.625<sup>3</sup> Digimatic signal cable, 2 m  
106.381<sup>3</sup> USB Input Tool Direct cable 2 m  
102.310<sup>3,4</sup> U-WAVE fit connector IP67  
264.620<sup>4</sup> U-WAVE fit transmitter IP67

<sup>1</sup> With round depth rod  $\phi$  1.9 mm.  
<sup>2</sup> Provided with tungsten carbide measuring faces.  
<sup>3</sup> With data switch.  
<sup>4</sup> Connector + transmitter are needed.



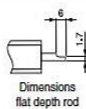
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## TESA TWIN-Cal digital calipers IP40

New generation IP40 calipers, TESA TWIN-Cal, with a "soft touch" grip and an excellent price-performance ratio. These calipers have a unique connectivity concept TWIN & LINK. All TWIN-Cal calipers are equipped with a data output. Connect the TESA Link Connector (or TWIN-Cap) to the TWIN-Cal for "plug and play" (wireless) data transfer.

- Measuring range: 0-300 mm.
- Resolution: 0.01 mm.
- mm/inch conversion.
- Digit height: 11 mm.
- Automatic switch-off.
- Reset.
- Max. measuring speed: approx. 2.5 m/s.
- Thumb wheel (except 783.334); also optionally available.

- Locking screw.
- Round ( $\phi$  1.5 mm) or flat depth rod.
- Protection: IP40.
- DIN 862.
- Standard supplied with data output (USB, Digimatic or wireless).
- Delivery in a case with an inspection report and a declaration of conformity.
- Power supply: 1 battery type CR2032.



Item No.	Measuring range/mm	Jaw length mm	Depth rod
783.334	0-150	40	flat
783.331	0-150	40	round
783.332	0-200	50	flat
783.333	0-300	64	flat

**Options:**  
495.157 Spare battery  
779.362<sup>1</sup> Depth measuring base 75 x 6 mm  
783.301<sup>2</sup> TESA Link Connector USB  
783.302<sup>2</sup> TESA Link Connector Digimatic  
783.303<sup>2</sup> TESA Link Connector TWIN-Cap

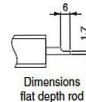
<sup>1</sup> Only suitable for the calipers with measuring range 0-150 mm.  
<sup>2</sup> The TESA Link Connector will replace the battery cover.

## TESA TWIN-Cal absolute digital calipers IP67

New generation IP67 calipers, TESA TWIN-Cal, with an absolute measuring system and a "soft touch" grip. These calipers have a unique connectivity concept TWIN & LINK. All TWIN-Cal calipers are equipped with a data output. Connect the TESA Link Connector (or TWIN-Cap) to the TWIN-Cal for "plug and play" (wireless) data transfer.

- Measuring range: 0-300 mm.
- Resolution: 0.01 mm.
- Repeatability: 0.01 mm.
- mm/inch conversion.
- Digit height: 11 mm.
- Automatic switch-off.
- Reset.
- Max. measuring speed: approx. 2.5 m/s.
- Thumb wheel (except 783.290/291); also optionally available.

- Locking screw.
- Round ( $\phi$  1.5 mm) or flat depth rod.
- Protection: IP67 (also in combination with data output cable).
- DIN 862.
- Standard supplied with data output (USB, Digimatic or wireless).
- Delivery in a case with an inspection report and a declaration of conformity.
- Power supply: 1 battery type CR2032.



Item No.	Measuring range/mm	Jaw length mm	Depth rod
783.290	0-150	40	flat
783.291	0-150	40	round
783.292	0-150	40	round
783.293	0-200	50	flat
783.294	0-300	64	flat

**Options:**  
495.157 Spare battery  
779.362<sup>1</sup> Depth measuring base 75 x 6 mm  
783.300<sup>1</sup> Thumb wheel  
783.301<sup>2</sup> TESA Link Connector USB  
783.302<sup>2</sup> TESA Link Connector Digimatic  
783.303<sup>2</sup> TESA Link Connector TWIN-Cap

<sup>1</sup> Only suitable for the calipers with measuring range 0-150 mm.  
<sup>2</sup> The TESA Link Connector will replace the battery cover.