TRIMOS

V4+

New standard in height gauge performance



Swiss
Measuring
Instruments

1.

PRESENTATION

The new V4+ redefines precision and functionality by seamlessly combining the mechanical excellence of the V4 with the advanced interface and innovative capabilities of advanced height gauges. This design delivers exceptional performance, making it an efficient and cost-effective alternative to traditional 2D height gauges, while ensuring unmatched performance and user experience.

Engineered with Swiss precision, the V4+ offers robust mechanical stability and integrates a smooth air cushion system for effortless movement on the measuring table. Its advanced capabilities include essential measurement functions such as distances, diameters, and center distances, ensuring versatility and ease of use for both simple and complex tasks.



Robust Mechanical Design
Supports long and heavy probes up to 400 mm with exceptional repeatability.

Dynamic graphical feedback
Real-time display of measurement progress and results, ensuring clarity and precision at every step.

Smart touch navigation
Intuitive menu structures and responsive touch controls make operation straightforward and efficient, reducing training time.

Integrated 2-coordinate measurement
Intuitive 2D visualization of parts, showing measurement results instantly.

Integrated measurement programs
Customizable programs simplify complex measurements, saving time and minimizing errors.

Comprehensive data connectivity
USB, RS232, and Wireless options for easy data export, integration, and analysis across systems.

These features are designed to deliver unparalleled measurement accuracy and streamline operations, making the V4+ a top choice for professionals seeking innovation and efficiency in a cost-effective package.

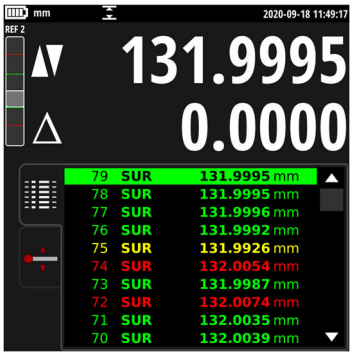
2.

KEY FEATURES



Advanced Display Interface

Large 8-inch touchscreen with clear graphics, high contrast, and intuitive navigation, ensuring excellent readability and ease of use in workshop environments.



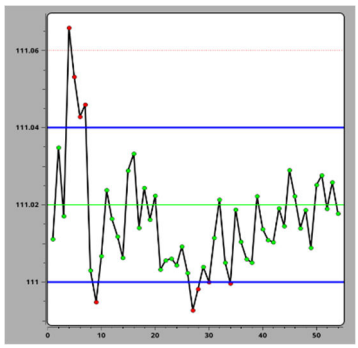
Advanced tolerance view

Color-coded indications for tolerance compliance, enabling quick and accurate decision-making.



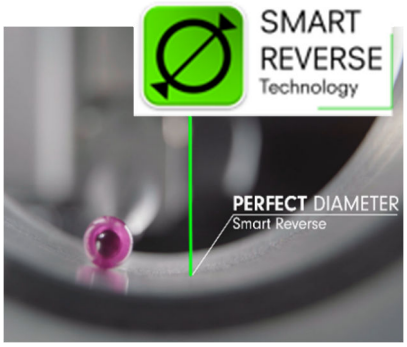
2D Measurement Capabilities

2-coordinate measurements with instant graphical visualization for distances, angles, and regression circles directly on the display.



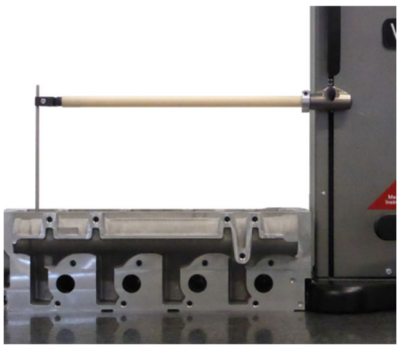
Real-Time Statistical Analysis

Embedded SPC software provides immediate statistical feedback for quality control.



SMART REVERSE

Diameter measurement with audible and visual signals for efficient reversal point detection.



Robust Mechanical Design

Supports long and heavy probes up to 400 mm with exceptional repeatability.



Industry 4.0 Compatibility

Designed for seamless integration into modern industrial environments.



Large range of accessories

The range of accessories available covers almost all applications.



Two-Year Standard Warranty

Extendable up to an additional two years = 4 years!

3.
TECHNICAL DATA

V4+		400	700
Measuring range	mm (in)	407 (16)	711 (28)
Measuring range with extension	mm (in)	719 (28)	1023 (40)
Max. permissible errors, B_{MPE}	µm	2.5 + L(mm)/250	
Repeatability, R_{MPE} (2s)	µm	2 (Ø: 3)	
Frontal squareness deviation, S_{MPE}	µm	9	13
Maximal Resolution	mm (in)	0.001 (0.00005)	
Measuring force	N	0.75 ÷ 1.5	
Battery autonomy	h	20	
Interfaces		USB / RS232 / Wireless	
Air cushion		Yes	
Weight	kg	21	24

The above values were determined in accordance with ISO 13225 using the TA-MI-101 insert.
R_{MPE} is defined as 2 times the standard deviation (2s) over a series of 20 height measurements.

4.
MODELS & REFERENCES

V4+	
Measuring range 400 mm	V4+400
Measuring range 700 mm	V4+700

5.
DELIVERY

V4+	
Instrument according to specifications	Measuring insert with ruby ball Ø4 mm
Charging unit	Setting gauge 25 mm
Calibration certificate	User's manual

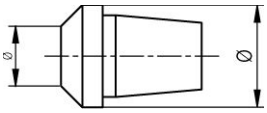
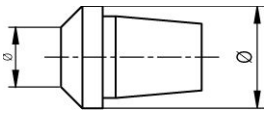
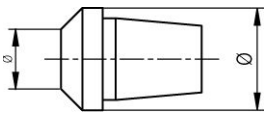
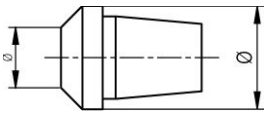
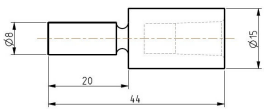
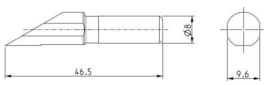
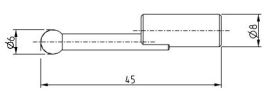
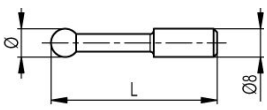
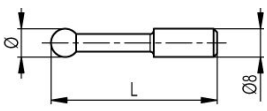
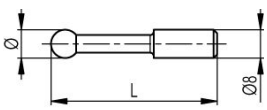
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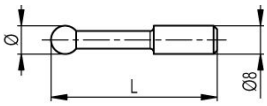
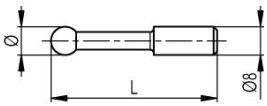
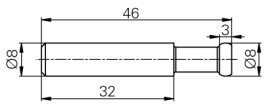
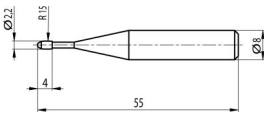
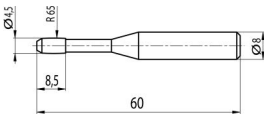
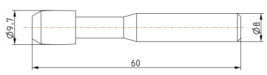
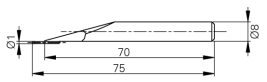
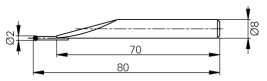
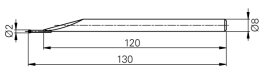
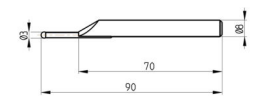
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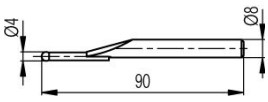
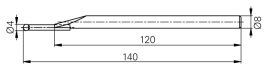
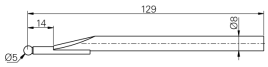
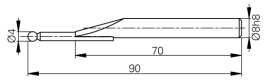
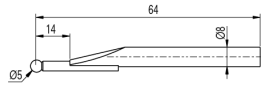
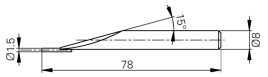
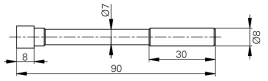
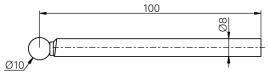
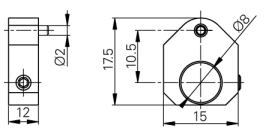
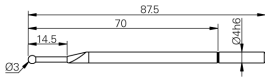
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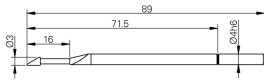
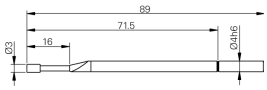
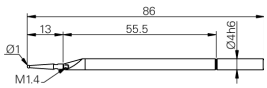
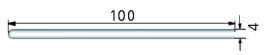
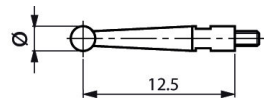
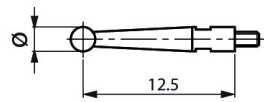
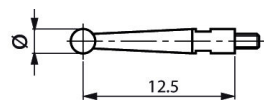
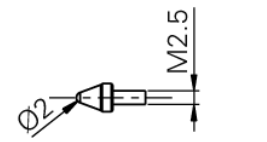
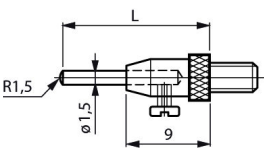
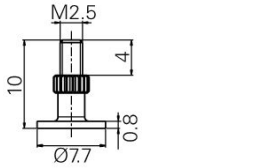
Instruments verticaux
Height gauges
Höhenmessgeräte

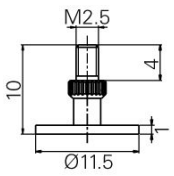
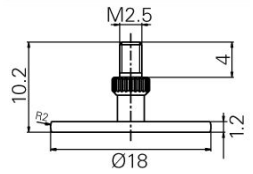
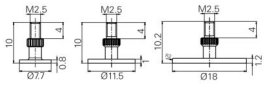
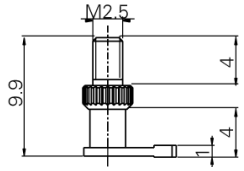
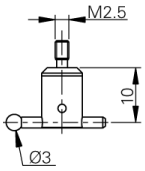
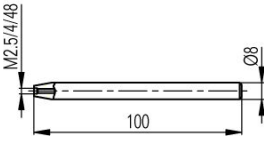
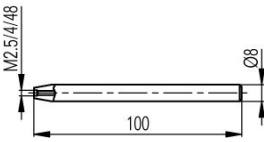
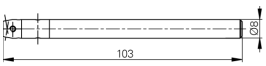
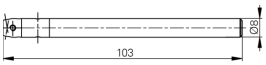
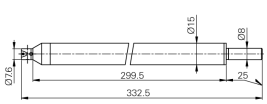
Swiss Measuring Instruments

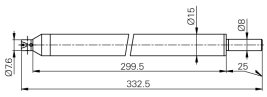
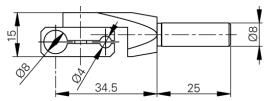
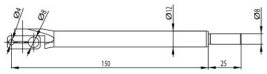
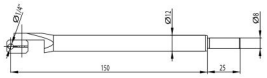
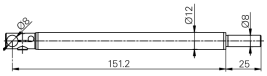
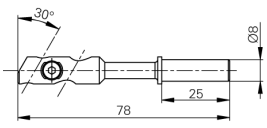
			V1	V2	V3	V4	V5	V6	V7	V8	V9
	**TV2S2** 779 901007 002	Cône Ø0-15 mm Konus Ø0-15 mm Cone Ø0-15 mm	■								
	**TV2S3** 779 901007 003	Cône Ø13-20.5 mm Konus Ø13-20.5 mm Cone Ø13-20.5 mm	■								
	**TV2S4** 779 901007 004	Cône Ø17-24.5 mm Konus Ø17-24.5 mm Cone Ø17-24.5 mm	■								
	**TV2S5** 779 901007 005	Cône Ø23-30.5 mm Konus Ø23-30.5 mm Cone Ø23-30.5 mm	■								
	**TA-IH-138** 712 12 20 0010	Support de cônes Konushalter Cone support	■								
	**TA-MI-122** 709 12 10 0003	Traceur pour V1 Anreissnadel für V1 Scriber for V1	■								
	**TA-MI-121** 709 05 20 0124	Touche bille MD Ø6 mm pour V1+ Messeinsatz mit HM-Kugel Ø6 mm für V1+ Measuring insert with TC-Ball Ø6 mm for V1+	■								
	**TVM2.4** 709 05 20 0009	Touche à bille Ø2 mm, L=41.6 mm Kugel-Messeinsatz Ø2 mm, L=41.6 mm Ball insert Ø2 mm, L=41.6 mm	■								
	**TVM2.3** 709 05 20 0014	Touche à bille Ø3 mm, L=42.5 mm Kugel-Messeinsatz Ø3 mm, L=42.5 mm Ball insert Ø3 mm, L=42.5 mm	■								
	**TVM2.2** 709 05 20 0025	Touche à bille Ø4 mm, L=43.5 mm Kugel-Messeinsatz Ø4 mm, L=43.5 mm Ball insert Ø4 mm, L=43.5 mm	■								

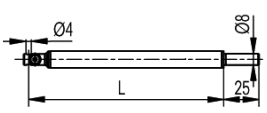
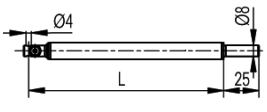
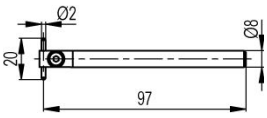
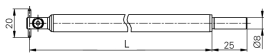
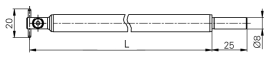
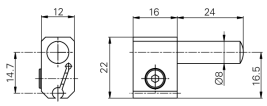
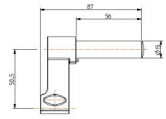
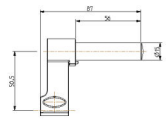
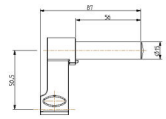
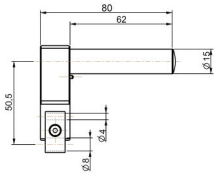
			V1	V2	V3	V4	V5	V6	V7	V8	V9
	**TVM2.6** 709 05 20 0031	Touche à bille Ø5 mm, L=43.9 mm Kugel-Messeinsatz Ø5 mm, L=43.9 mm Ball insert Ø5 mm, L=43.9 mm	■								
	**TVM2** 709 05 20 0051	Touche à bille Ø8 mm, L=47.3 mm Kugel-Messeinsatz Ø8 mm, L=47.3 mm Ball insert Ø8 mm, L=47.3 mm	■								
	**TVM2.5** 709 05 20 0059	Touche à plateau Ø8 mm Zylindrischer Messeinsatz Ø8 mm Disc shaped insert Ø8 mm	■								
	**TVA9.1** 509 05 20 0011	Touche en tonneau M3-M16, L=55 mm Balliger Messeinsatz M3-M16, L=55 mm Barrel-shaped insert M3-M16, L=55 mm		■	■	■	■	■	■	■	■
	**TVA9.2** 509 05 20 0029	Touche en tonneau M6-M48, L=60 mm Balliger Messeinsatz M6-M48, L=60 mm Barrel-shaped insert M6-M48, L=60 mm		■	■	■	■	■	■	■	■
	**TVA9.3** 509 05 20 0062	Touche en tonneau M12-M150, L=60 mm Balliger Messeinsatz M12-M150, L=60 mm Barrel-shaped insert M12-M150, L=60 mm		■	■	■	■	■	■	■	■
	**TA-MI-111** 509 05 20 0078	Touche à bille métal dur Ø1 mm, L=75 mm Messeinsatz mit Hartmetall-Kugel Ø1 mm, L=75 mm Measuring insert with tungst. carb. ball, Ø1 mm, L=75 mm		■	■	■	■	■	■	■	■
	**TA-MI-110** 509 05 20 0077	Touche à bille en métal dur Ø2 mm, L=80 mm Messeinsatz mit Hartmetall-Kugel Ø2 mm, L=80 mm Measuring insert with tungst. carb. ball Ø2 mm, L=80 mm		■	■	■	■	■	■	■	■
	**TA-MI-104** 509 05 20 0080	Touche à bille métal dur Ø2 mm, L=130 mm Messeinsatz mit Hartmetall-Kugel Ø2 mm, L=130 mm Measuring insert with tungst. carb. ball Ø2mm, L=130 mm			■	■	■	■	■	■	■
	**TA-MI-120** SP509 05 20 0086	Touche à bille rubis Ø3 mm, L=90mm Messeinsatz mit Rubin-Kugel Ø3 mm, L=90mm Measuring insert with ruby ball Ø3 mm, L=90mm		■	■	■	■	■	■	■	■

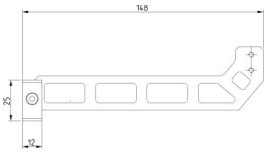
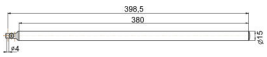
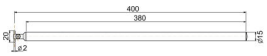
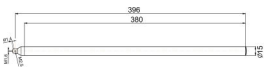
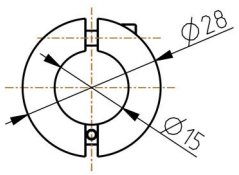
			V1	V2	V3	V4	V5	V6	V7	V8	V9
	**TA-MI-102** 509 05 20 0075	Touche à bille métal dur Ø4mm, L=90 mm Messeinsatz mit Hartmetall-Kugel Ø4 mm, L=90 mm Measuring insert with tungst. carb. ball Ø4 mm, L=90 mm	■	■	■	■	■	■	■	■	■
	**TA-MI-105** 509 05 20 0079	Touche à bille métal dur, Ø4 mm, L=140 mm Messeinsatz mit Hartmetall-Kugel Ø4 mm, L=140 mm Measuring insert with tungst. carb. ball Ø4 mm, L=140 mm			■	■	■	■	■	■	■
	**TA-MI-106** 279 918011 004	Touche à bille rubis Ø5 mm, L=129 mm Messeinsatz mit Rubin-Kugel Ø5 mm, L=129 mm Measuring insert with ruby ball Ø5 mm, L=129 mm			■	■	■	■	■	■	■
	**TA-MI-101** 509 05 20 0074	Touche à bille rubis Ø4 mm, L=90 mm Messeinsatz mit Rubin-Kugel Ø4 mm, L=90 mm Measuring insert with ruby ball Ø4 mm, L=90 mm	■	■	■	■	■	■	■		
	**TA-MI-119** SP279 918011 005	Touche à bille rubis Ø5 mm, L=64 mm Messeinsatz mit Rubin-Kugel Ø5 mm, L=64 mm Measuring insert with ruby ball Ø5 mm, L=64 mm								■	■
	**TA-MI-107** 509 05 20 0081	Touche à goupille métal dur Ø1.5 mm, L=78 mm Zylindrischer Messeinsatz Ø1.5 mm, L=78 mm Measuring insert with pin Ø1.5 mm, L=78 mm		■	■	■	■	■	■	■	■
	**TA-MI-112** 509 05 20 0082	Touche à surfaces planes, 10 x 10 mm, L=90 mm Messeinsatz mit Parallel-Messflächen, 10 x 10 mm, L=90 mm Measuring insert with parallel faces, 10 x 10 mm, L=90 mm			■	■	■	■	■	■	■
	**TA-MI-108** 279 918011 002	Touche à bille rubis Ø10 mm, L=100 mm Messeinsatz mit Rubin-Kugel Ø10 mm, L=100 mm Measuring insert with ruby ball Ø10 mm, L=100 mm	■	■	■	■	■	■	■	■	■
	**TA-AD-101** 603 11 001	Bague de positionnement de touche Ø8 mm Positionierhalter für Messeinsatz Ø8 mm Positioning holder for measuring insert Ø8 mm		■	■	■	■	■	■	■	■
	**TA-MI-109** 279 918011 003	Touche à bille rubis Ø3 mm, L=87.5 mm Messeinsatz mit Rubin-Kugel Ø3 mm, L=87.5 mm Measuring insert with ruby ball Ø3 mm, L=87.5 mm			■	■	■	■	■	■	■

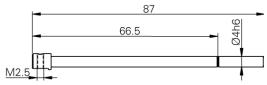
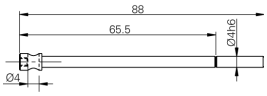
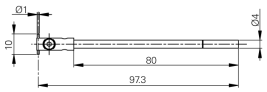
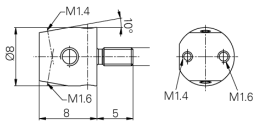
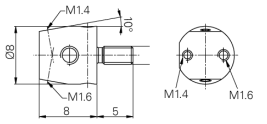
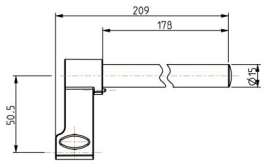
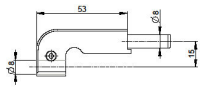
			V1	V2	V3	V4	V5	V6	V7	V8	V9
	**V-50.10** 279 918007 001	Touche biseautée Abgeschrägter Messeinsatz Knife-edge insert			■	■	■	■	■	■	■
	**V-50.11** 279 918013 001	Touche en tonneau Ø3 x 5 mm, L = 89 mm Balliger Messeinsatz Ø3 x 5 mm, L = 89 mm Barrel-shaped insert Ø3 x 5 mm, L = 89 mm			■	■	■	■	■	■	■
	**V-50.12** 279 918012 001	Touche à bille Ø1 mm avec porte-touche, L=86 mm Kugel-Messeinsatz Ø1 mm mit Halter, L=86 mm Measuring insert Ø1 mm with holder, L=86 mm			■	■	■	■	■	■	■
	**TA-MI-114** 506 22 20 0063	Goupille, 1 face hémisphérique et 1 face plane, L=100 mm Stift, 1 halbkugelförmige und 1 flache Messfläche, L=100 mm Pin, 1 hemispheric and 1 plane face, L=100 mm	■	■	■	■	■	■	■	■	■
	**TA-MI-115** 279 901001 001	Touche M1.4 avec bille Ø1 mm, L=12.5 mm Fühlhebelmesseinsatz M1.4 mit Kugel Ø1 mm, L=12,5 mm Measuring insert M1.4 with ball Ø1 mm, L=12.5 mm			■	■	■	■	■	■	■
	**TA-MI-116** 279 901001 002	Touche M1.4 avec bille Ø2 mm, L=12.5 mm Fühlhebelmesseinsatz M1.4 mit Kugel Ø2 mm, L=12.5 mm Measuring insert M1.4 with ball Ø2 mm, L=12.5 mm			■	■	■	■	■	■	■
	**TA-MI-117** 279 901001 003	Touche M1.4 avec bille Ø3 mm, L=12.5 mm Fühlhebelmesseinsatz M1.4 mit Kugel Ø3 mm, L=12.5 mm Measuring insert M1.4 with ball Ø3 mm, L=12.5 mm			■	■	■	■	■	■	■
	**V-50.4** 279 918010 001	Touche hémisphérique M2,5 Messeinsatz M2.5 mit kugelförmiger Messfläche Measuring insert M2,5 with ball contact	■	■	■	■	■	■	■	■	■
	**TA-MI-118** 279 901003 001	Touche M2.5 à 4 goupilles interchangeables, L=16/26/36/46 mm Messeinsatz M2.5 mit 4 wechselbaren Stiften, L=16/26/36/46 mm Measuring insert M2.5 with 4 interchangeable pins, L=16/26/36/46 mm	■	■	■	■	■	■	■	■	■
	**V-50.2.1** 279 918005 002	Touche à disque M2.5, Ø7.7 mm Diskförmiger Messeinsatz M2.5, Ø7.7 mm Disc-shaped inserts M2.5, Ø7.7 mm	■	■	■	■	■	■	■	■	■

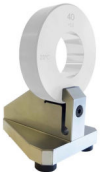
			V1	V2	V3	V4	V5	V6	V7	V8	V9
	**V-50.2.2** 279 918005 003	Touche à disque M2.5, Ø11.5 mm Diskförmiger Messeinsatz M2.5, Ø11.5 mm Disc-shaped insert M2.5, Ø11.5 mm	■	■	■	■	■	■	■	■	■
	**V-50.2.3** 279 918005 004	Touche à disque M2.5, Ø18 mm Diskförmiger Messeinsatz M2.5, Ø18 mm Disc-shaped inserts M2.5, Ø18 mm	■	■	■	■	■	■	■	■	■
	**V-50.2** 279 918005 001	Jeu de 3 touches à disque M2.5, Ø 7.7 / 11.5 / 18 mm Satz mit 3 Diskusförmigen Messeinsätzen M2.5, Ø 7.7 / 11.5 / 18 mm Set of 3 disc-shaped inserts M2.5, Ø 7.7 / 11.5 / 18 mm	■	■	■	■	■	■	■	■	■
	**V-50.3** 279 918008 001	Touche à pied M2.5 L-förmiger Messeinsatz M2.5 Corner insert M2.5	■	■	■	■	■	■	■	■	■
	**V-50.1** 279 918009 001	Touche M2.5 à bille rubis orientable Ø3 mm Messeinsatz M2.5 mit Rubin-Kugel Ø3 mm Measuring insert M2.5 with ruby ball Ø3 mm			■	■	■	■	■	■	■
	**TVM6** 512 11 20 0018	Porte-touche Ø8 mm pour touches M2.5 Halter Ø8 mm für Messeinsätze M2.5 Holder Ø8 mm for measuring inserts M2.5	■	■	■	■	■	■	■	■	■
	**TVM6E** 512 11 20 0019	Porte-touche Ø8 mm pour touches 4-48 Halter Ø8 mm für Messeinsätze 4-48 Holder Ø8 mm for measuring inserts 4-48	■	■	■	■	■	■	■	■	■
	**TA-IH-101** 612 11 045	Porte-touche M2.5, L=103 mm Messeinsatz-Halter M2.5, L=103 mm Measuring insert holder M2.5, L=103 mm	■	■	■	■	■	■	■	■	■
	**TA-IH-103** 612 11 047	Porte-touche 4-48, L=103 mm Messeinsatz-Halter 4-48, L=103 mm Measuring insert holder 4-48, L=103 mm	■	■	■	■	■	■	■	■	■
	**TA-IH-102** 612 11 046	Porte-touche M2.5, L=300 mm Messeinsatz-Halter M2.5, L=300 mm Measuring insert holder M2.5, L=300 mm								■	■

			V1	V2	V3	V4	V5	V6	V7	V8	V9
	**TA-IH-119** 612 11 048	Porte-touche (")4-48, L=300mm Messeinsatz-Halter (")4-48, L=300mm Measuring insert holder (")4-48, L=300mm								■	■
	**TA-IH-104** 612 11 053	Porte-touche orientable Ø4 et Ø8 mm Orientabler Messeinsatz-Halter Ø4 und Ø8 mm Swivel holder Ø4 and Ø8 mm		■						■	■
	**TA-IH-105** 612 11 051	Porte-touche orientable Ø4 et Ø8 mm, L=150 mm Orientabler Messeinsatz-Halter Ø4 und Ø8 mm, L=150 mm Swivel holder Ø4 and Ø8 mm, L=150 mm								■	■
	**V-2E/D1/4/L1** 612 11 013	Porte-touche orientable Ø1/4 ", L=150 mm Orientabler Messeinsatz-Halter Ø1/4 ", L=150 mm Swivel holder Ø1/4 ", L=150 mm								■	■
	**TA-IH-106** 612 11 039	Porte-touche orientable Ø4 et Ø8 mm, L=300 mm Orientabler Messeinsatz-Halter Ø4 und Ø8 mm, L=300 mm Swivel holder Ø4 and Ø8 mm, L=300 mm								■	■
	**TA-IH-107** 612 11 055	Porte-touche à 90°, Ø8 mm Messeinsatz-Halter 90°, Ø8 mm Insert holder 90°, Ø8 mm			■	■	■	■	■	■	■
	**TA-IH-108** 612 11 052	Porte-touche à 90°, Ø8 mm, L=150 mm Messeinsatz-Halter 90°, Ø8 mm, L=150 mm Insert holder 90°, Ø8 mm, L=150 mm			■	■	■	■	■	■	■
	**TA-IH-129** 612 11 040	Porte-touche orienté à 90°, Ø 8mm, L=300mm Messeinsatz-Halter, 90° geschwenkt, Ø 8mm, L=300mm Holder at 90°, Ø 8mm, L=300mm								■	■
	**TA-IH-109** 612 11 054	Porte-touche à 90°, Ø4 mm Messeinsatz-Halter 90°, Ø4 mm Insert holder 90°, Ø4 mm	■	■	■	■	■	■	■	■	■
	**V-4** 612 11 011	Porte-touche à 30°, Ø4 mm Messeinsatz-Halter 30°, Ø4 mm Insert holder 30°, Ø4 mm			■	■	■	■	■	■	■

			V1	V2	V3	V4	V5	V6	V7	V8	V9
	**TA-IH-111** 612 11 041	Porte-touche à 90°, Ø4 mm, L=150 mm Messeinsatz-Halter 90°, Ø4 mm, L=150 mm Insert holder 90°, Ø4 mm, L=150 mm								■	■
	**TA-IH-112** 612 11 042	Porte-touche à 90°, Ø4 mm, L=300 mm Messeinsatz-Halter 90°, Ø4 mm, L=300 mm Insert holder 90°, Ø4 mm, L=300 mm								■	■
	**TVA4** 609 05 007	Porte-touche à tige Ø2 x 20 mm Messeinsatz-Halter mit Stift Ø 2 x 20 mm Insert holder with pin Ø2 x 20 mm	■	■	■	■	■	■	■	■	■
	**TA-IH-113** 612 11 043	Porte-touche à tige Ø2 x 20 mm, L=200 mm Messeinsatz mit Stift Ø2 x 20 mm, L=200 mm Insert holder with pin Ø2 x 20 mm, L=200 mm								■	■
	**TA-IH-114** 612 11 044	Porte-touche à tige Ø2 x 20 mm, L=300 mm Messeinsatz mit Stift Ø2 x 20 mm, L=300 mm Insert holder with pin Ø2 x 20 mm, L=300 mm								■	■
	**V-5** 612 11 012	Réduction Ø 8 / 4 mm Reduktion Ø 8 / 4 mm Reduction Ø 8 / 4 mm								■	■
	**TA-IH-135** 612 11 065	Porte-touche standard Ø8 mm Standard Messeinsatz-Halter Ø8 mm Standard insert holder Ø8 mm			■	■	■	■	■		
	**TA-IH-128** 612 11 067	Porte-touche Ø4 mm Messeinsatz-Halter Ø4 mm Measuring insert holder Ø4 mm			■	■	■	■	■		
	**TA-IH-137** SP612 11 065 01	Porte-touche Ø6 mm Messeinsatz-Halter Ø6 mm Measuring insert holder Ø6 mm			■	■	■	■	■		
	**TA-IH-130** 612 11 072	Porte-touche orientable Ø4 et Ø8 mm Orientabler Messeinsatz-Halter Ø4 und Ø8 mm Swivel holder Ø4 and Ø8 mm			■	■	■	■	■		

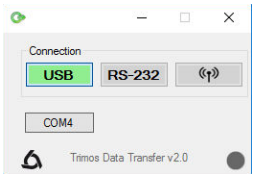
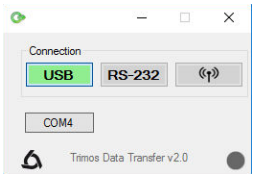
			V1	V2	V3	V4	V5	V6	V7	V8	V9
	**TA-IH-139** 712 11 089	Porte-touche orientable Ø4 et Ø8 mm, L=148 mm Orientabler Messeinsatz-Halter Ø4 und Ø8 mm, L=148 mm Swivel holder Ø4 and Ø8 mm, L=148 mm	■								
	**TA-IH-127** 612 11 066	Porte-touche Ø8 mm, L=400 mm Messeinsatz-Halter Ø8 mm, L=400 mm Insert holder Ø8 mm, L=400 mm			■	■	■	■	■		
	**TA-IH-131** 612 11 068	Porte-touche orientable Ø4 et Ø8 mm, L=400 mm Orientabler Messeinsatz-Halter Ø4 und Ø8 mm, L=400 mm Swivel holder Ø4 and Ø8 mm, L=400 mm			■	■	■	■	■		
	**TA-IH-132** 612 11 069	Porte-touche 90°, Ø4 mm, L=400 mm Messeinsatz-Halter 90°, Ø4 mm, L=400 mm Insert holder 90°, Ø4 mm, L=400 mm			■	■	■	■	■		
	**TA-IH-133** 612 11 070	Porte-touche à tige Ø2 x 20 mm, L=400 mm Messeinsatz-Halter mit Stift Ø 2 x 20 mm, L=400 mm Insert holder with pin Ø2 x 20 mm, L=400 mm			■	■	■	■	■		
	**TA-IH-134** 612 11 071	Porte-touche M2.5, L=400 mm Messeinsatz-Halter M2.5, L=400 mm Measuring insert holder M2.5, L=400 mm			■	■	■	■	■		
	**TA-AD-105** 603 11 003	Bague de positionnement de touche Ø15 mm Positionierhalter für Messeinsatz Ø15 mm Positioning holder for measuring insert Ø15 mm			■	■	■	■	■		
	**V-50.6** 279 918002 002	Porte-touche M2.5, L=80 mm Messeinsatz-Halter M2.5, L=80 mm Measuring insert holder M2.5, L=80 mm	■	■	■	■	■	■	■	■	■
	**V-50.5** 279 918002 001	Porte-touche M2.5, L=124 mm Messeinsatz-Halter M2.5, L=124 mm Measuring insert holder M2.5, L=124 mm	■	■	■	■	■	■	■	■	■
	**TA-IH-115** 279 918002 003	Porte-touche M2.5, L=200 mm Messeinsatz-Halter M2.5, L=200 mm Measuring insert holder M2.5, L=200 mm			■	■	■	■	■	■	■

			V1	V2	V3	V4	V5	V6	V7	V8	V9
	**V-50.7** 279 918001 002	Porte-touche à 90°, M2.5 Messeinsatz-Halter 90°, M2.5 Insert holder 90°, M2.5			■	■	■	■	■	■	■
	**V-50.8** 279 918001 001	Porte-touche à 90°, Ø4 mm Messeinsatz-Halter 90°, Ø4 mm Insert holder 90°, Ø4 mm			■	■	■	■	■	■	■
	**TA-IH-116** 279 918001 003	Porte-touche à tige, Ø1 x 10 mm, L=80 mm Messeinsatz mit Stift, Ø1 x 10 mm, L=80 mm Measuring insert holder, Ø1 x 10 mm, L=80 mm			■	■	■	■	■	■	■
	**TA-IH-117** 512 11 20 0012	Porte-touche pour touches M2.5, M1.6, M1.4 Halter für Messeinsätze M2.5, M1.6, M1.4 Holder for measuring inserts M2.5, M1.6, M1.4			■	■	■	■	■	■	■
	**TA-IH-118** 512 11 20 0013	Porte-touche pour touches 4-48, M1.6, M1.4 Halter für Messeinsätze 4-48, M1.6, M1.4 Holder for measuring inserts 4-48, M1.6, M1.4			■	■	■	■	■	■	■
	**TA-IH-136** 712 11 073	Porte-touche Ø8 mm, L=200 mm, Support pour palpeur de perpendicularité Messeinsatz-Halter Ø8 mm, L=200 mm, Halter für Rechtwinkligkeitstaster Insert holder Ø8 mm, L=200 mm, Holder for perpendicularity probe			■	■	■	■	■		
	**TA-IH-126** 612 07 006	Support pour palpeur de perpendicularité Halter für Rechtwinkligkeitstaster Holder for perpendicularity probe								■	■
	**TA-MS-101** 276 940001 001	Palpeur de perpendicularité pour V6/V7/V8/V9-400/700, (sans support - V6/V7: TA-IH-136 & Rechtwinkligkeitstaster für V6/V7/V8/V9-400/700, (ohne Halter - V6/V7: TA-IH-136 & V8/V9: TA-IH-126) Perpendicularity probe for V6/V7/V8/V9-400/700, (without support - V6/V7: TA-IH-136 & V8/V9: TA-IH-						■	■	■	■
	**TA-MS-102** 276 940001 002	Palpeur de perpendicularité pour V6/V7/V8/V9-1100, (sans support - V6/V7: TA-IH-136 & V8/V9: Rechtwinkligkeitstaster für V6/V7/V8/V9-1100, (ohne Halter - V6/V7: TA-IH-136 & V8/V9: TA-IH-126) Perpendicularity probe for V6/V7/V8/V9-1100, (without support - V6/V7: TA-IH-136 & V8/V9: TA-IH-						■	■	■	■
	**TA-MS-104** 609 02 021	Palpeur de perpendicularité pour V7-1800, (sans support TA-IH-136) Rechtwinkligkeitstaster für V7-1800, (ohne Halter TA-IH-136) Perpendicularity probe for V7-1800, (without support TA-IH-136)							■		

			V1	V2	V3	V4	V5	V6	V7	V8	V9
	**TA-SU-101** 740 02 001	Paire de vis d'appui pour base V4 ÷ V9 Paar Stützschrauben für Gerätebasis V4 ÷ V9 Pair of abutment screw for instrument base V4 ÷ V9				■	■	■	■	■	■
	**TA-SE-106** 605 01 022	Jeux d'accessoires "Macro" (16 pcs) Zubehörsatz "Macro" (16 Stk.) Set of accessories "Macro" (16 pcs)			■	■	■	■	■	■	■
	**TA-SE-102** 605 01 008	Jeux d'accessoires "Micro" (20 pcs) Zubehörsatz "Micro" (20 Stk.) Set of accessories "Micro" (20 pcs)								■	■
	**TA-SE-105** 605 01 023	Jeux d'accessoires "Micro" (20 pcs) Zubehörsatz "Micro" (20 Stk.) Set of accessories "Micro" (20 pcs)			■	■	■	■	■		
	**TA-SE-107** 605 01 024	Jeux d'accessoires "Eco" (7 pcs) Zubehörsatz "Eco" (7 Stk.) Set of accessories "Eco" (7 pcs)			■	■	■	■	■	■	■
	**TA-MG-104** 609 01 032	Jauge d'étalonnage 25 mm Einstellehre 25 mm Setting gauge 25 mm			■	■	■	■	■	■	■
	**TA-MG-105** SP609 01 032 02	Bloc d'étalonnage avec hauteur et diamètre, H=100 mm Einstell-Lehre mit Höhe und Durchmesser, H=100 mm Setting gauge with height and diameter, H=100 mm		■	■	■	■	■	■	■	■
	**TA-MG-107** 709 01 037	Jauge d'étalonnage 4 mm Einstellehre 4 mm Setting gauge 4 mm	■	■							
	**TA-SU-102** SP609 40 040 03	Support pour mesure de bague-étalon TA-MG-001, (sans bague) Messständer für Einstellring TA-MG-001, (ohne Ring) Measuring stand for master ring gauge TA-MG-001, (without ring)	■	■	■	■	■	■	■	■	■
	**TA-TO-102** 614 00 007	Pièce de démonstration Vorführungsteil Demonstration piece	■	■	■	■	■	■	■	■	■

			V1	V2	V3	V4	V5	V6	V7	V8	V9
	**V-60** 712 12 045	Support de rangement pour accessoires Zubehör-Ablagefach Wooden accessories support	■	■	■	■	■	■	■	■	■
	**V-50.13** 290 918001 001	Clé pour touche comparateur à levier Schlüssel für Fühlhebelmesseinsatz Wrench for measuring inserts			■	■	■	■	■	■	■
	**TA-TO-118** 705 05 10 0009	Housse de protection pour V1/V1+ 300 mm Schutzhülle für V1/V1+ 300 mm Protection cover for V1/V1+ 300 mm	■								
	**TA-TO-119** 705 05 10 0011	Housse de protection pour V1/V1+ 600 mm Schutzhülle für V1/V1+ 600 mm Protection cover for V1/V1+ 600 mm	■								
	**TA-TO-114** 505 05 10 0041	Housse de protection pour V2 ÷ V9 - 400 Schutzhaube für V2 ÷ V9 - 400 Protection cover for V2 ÷ V9 - 400		■	■	■	■	■	■	■	■
	**TA-TO-115** 505 05 10 0042	Housse de protection pour V2 ÷ V9 - 700 Schutzhaube für V2 ÷ V9 - 700 Protection cover for V2 ÷ V9 - 700		■	■	■	■	■	■	■	■
	**TA-TO-116** 505 05 10 0043	Housse de protection pour V5 ÷ V9 - 1100 Schutzhaube für V5 ÷ V9 - 1100 Protection cover for V5 ÷ V9 - 1100					■	■	■	■	■
	**TA-TO-117** 505 05 10 0044	Housse de protection pour V7 - 1800 Schutzhaube für V7 - 1800 Protection cover for V7 - 1800							■		
	**TA-EL-112** 716 20 001	Câble pour connexion RS232-PC Kabel für RS232-PC-Verbindung Cable for RS232-PC connection	■	■	■	■	■	■	■	■	■
	**TA-EL-013** 332 02 0001	Câble de liaison USB A-B, L=1.8 m Verbindungskabel, USB A-B, L=1.8 m USB A-B connection cable, L=1.8 m							■		■

			V1	V2	V3	V4	V5	V6	V7	V8	V9
	**TA-EL-014** 332 02 0002	Câble de liaison USB A-Mini B, L=1.8m Verbindunskabel, USB A-Mini B, L=1.8m USB A-Mini B connection cable, L=1.8m		■	■	■	■	■		■	
	**TA-EL-022** 716 35 008	Système de transmission de données sans fil, 1 x dongle pour l'Instrument & 1 x dongle USB pour PC Drahtloses Datenübertragungssysstem, 1 x Dongle für das Instrument & 1 x USB-Dongle für PC Wireless data transmission system, 1 x dongle for the instrument & 1 x USB dongle for PC				■	■	■	■	■	■
	**TA-EL-032** 756 0018	Imprimante thermique avec support, chargeur et câble RS232, (Pour V3 ÷ V6) Thermodrucker mit Halter, Ladegerät und RS232-Kabel, (für V3 ÷ V6) Thermal printer with holder, AC adapter and RS232 cable, (for V3 ÷ V6)		■	■	■	■	■		■	
	**TA-EL-033** 756 0020	Imprimante thermique avec support, chargeur et câble RS232, (Pour V7 & V9) Thermodrucker mit Halter, Ladegerät und RS232-Kabel, (für V7 & V9) Thermal printer with holder, AC adapter and RS232 cable, (for V7 & V9)							■		■
	**V-30.7** 788 000001 001	Rouleaux de papier (5 pces) pour imprimante thermique Papierrollen (5 Stk.) für Thermodrucker Paper rolls (5 pces) for thermal printer		■	■	■	■	■	■	■	■
	**TA-EL-063** 3704 0024	Batterie pour imprimante TA-EL-032 & TA-EL-033 Batteriesatz für Drucker TA-EL-032 & TA-EL-033 Battery pack for printer TA-EL-032 & TA-EL-033		■	■	■	■	■	■	■	■
	**TA-EL-016** 332 08 0001	Câble de connection instrument-affichage 0.23 m (HDMI) Verbindungskabel Instrument-Anzeige 0.23 m (HDMI-Stecker) Connection cable Instrument-Display 0.23 m (HDMI)		■	■	■	■	■	■	■	■
	**TA-EL-132** 716 70 010	Convertisseur AC/DC 240/24V - 3,0 A (36 W) AC/DC-Wandler 240/24V - 3,0 A (36 W) Converter AC/DC 240/24V - 3,0 A (36 W)		■	■	■	■	■		■	
	**TA-EL-133** 716 70 009	Convertisseur AC/DC 100-240V/12V - 2.5A (avec adaptateur) Netzgerät AC/DC 100-240V/12V - 2.5A (mit adapter) Adapter AC/DC 100-240V/12V - 2.5A (with adapter)							■		■
	**TA-EL-060** 3704 0021	Accumulateur pour V2, V3, V4, V5, V6 & V8, (Li-ion 7,2V - 2600mA/h) Batteriesatz für V2, V3, V4, V5, V6 & V8, (Li-ion 7,2V - 2600mA/h) Battery pack for V2, V3, V4, V5, V6 & V8, (Li-ion 7,2V - 2600mA/h)		■	■	■	■	■		■	

			V1	V2	V3	V4	V5	V6	V7	V8	V9
	**TA-EL-061** 3704 0022	Accumulateur pour V7 & V9, (Li-ion 7,2V - 10,4A/h) Batteriesatz für V7 & V9, (Li-ion 7,2V - 10,4A/h) Battery pack for V7 & V9, (Li-ion 7,2V - 10,4A/h)							■		■
	**TA-EL-062** 3705 0005	Pile de sauvegarde (CR1632) Pufferbatterie (CR1632) Back-up battery (CR1632)							■		■
	**BAT-TVM.OPT** 3705 0002	Pile (CR2032) Batterie (CR2032) Battery (CR2032)	■								
	**TA-SW-002** 394 1 0051	Logiciel de communication (TrimosDataTransfer) Software für Datenübertragung (TrimosDataTransfer) Software for data transfer (TrimosDataTransfer)		■	■	■	■	■	■	■	■
	**TA-SW-003** 394 1 0052	Logiciel de communication (TrimosDataTransfer Advanced), avec création de port COM virtuel Software für Datenübertragung (TrimosDataTransfer Advanced), mit virtueller Software for data transfer (TrimosDataTransfer Advanced), with virtual COM-port creation				■	■	■	■	■	■

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