

V4+

New standard in height gauge performance



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.



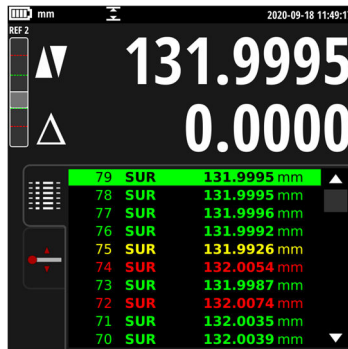
2.

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.



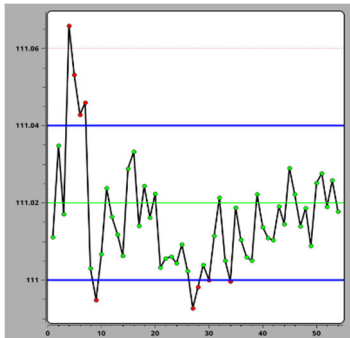
Advanced tolerance view

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



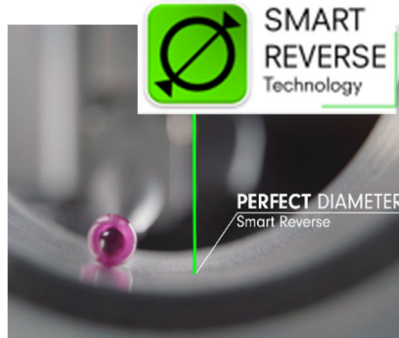
2D Measurement Capabilities

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



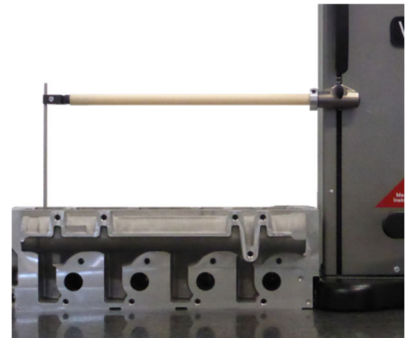
Real-Time Statistical Analysis

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	$2 (\varnothing: 3)$	
Frontal squareness deviation, S_{MPE}	μm	9	13
Maximal Resolution	mm (in)	0.001 (0.00005)	
Measuring force	N	$0.75 \div 1.5$	
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 $\varnothing 4$ mm
Charging unit	Setting gauge 25 mm
Calibration certificate	User's manual

