

MOBILE 7-AXIS MEASURING ARM

WM | MMA SERIES

Flexibility for fast easy measurement



MOBILE MEASUREMENT IN
THE PRODUCTION ENVIRONMENT

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MOBILE MEASUREMENT IN THE PRODUCTION ENVIRONMENT

Mobile measuring arms from WENZEL are characterized by great flexibility, enabling use in both production and quality assurance processes. By combining a portable 7-axis measuring arm with a high-resolution line scanner, which captures every detail contact-free, the measuring arms represent a useful complement to your established classical coordinate measuring systems. The use of the latest materials makes the measuring arm a lightweight unit that delivers highly accurate

and reproducible measurement results in mobile applications. The measuring arm can be used directly on the component - both with optical and tactile sensors - without any warm-up time and without sticking markers to the component. The measurement results obtained can then be transmitted via a WiFi interface for further use. The capacity and low consumption of the integrated battery ensure reliable operation of the measuring arm over a long period of time.

FEATURES

- Freedom of movement due to 7 axes with axis limit detection
- Automatic button recognition
- Temperature compensated
- Stable resting position
- Internal weight compensation with damping element

MEASURING ARM PROFILES

The measuring arm is available in different versions - suitable for individual measuring requirements and tasks.

	Axis	Arm length	Tactile (at the sanner)		Optical		
			Single point repeatability	Accuracy	WM ML 100P	WM MLS 200	WM MLS 100
WM MMA 2.0	7	2,0 m	0,022 mm	0,032 mm	0,038 mm	0,042 mm	0,047 mm
WM MMA 2.5	7	2,5 m	0,027 mm	0,038 mm	0,044mm	0,048 mm	0,053 mm
WM MMA 3.0	7	3,0 m	0,042 mm	0,051 mm	0,057 mm	0,061 mm	0,066 mm
WM MMA 3.5	7	3,5 m	0,054 mm	0,062 mm	0,068 mm	0,072 mm	0,077 mm
WM MMA 4.0	7	4,0 m	0,069 mm	0,074 mm	0,080 mm	0,084 mm	0,089 mm
WM MMA 4.5	7	4,5 m	0,078 mm	0,089 mm	0,095 mm	0,099 mm	0,104 mm



YOUR ADVANTAGES AT A GLANCE

■ High flexibility

7 axes for freedom of movement | Can be used with tactile and optical sensors | Axis limit detection

■ Mobile use

Suitable for industrial use | Portable light weight | Integrated battery

■ High process efficiency

No marker sticking | No warm-up time | Automatic button recognition

■ Accurate and reproducible measurement results

Temperature compensation | Stable rest position | Internal weight compensation with damping element

■ Data evaluation and security

Integrated WiFi interface | Evaluation with QM I Quartis

	Axis	Arm length	Tactile (without Scanning)		Optical	
			Single point repeatability	Accuracy	WM MMA + WM LS70	WM MMA + WM LS100
WM MMA 2.0	7	2,0 m	0,022 mm	0,032 mm	0,039 mm	0,047 mm
WM MMA 2.5	7	2,5 m	0,027 mm	0,038 mm	0,045 mm	0,053 mm
WM MMA 3.0	7	3,0 m	0,042 mm	0,051 mm	0,058 mm	0,066 mm
WM MMA 3.5	7	3,5 m	0,054 mm	0,062 mm	0,069 mm	0,077 mm
WM MMA 4.0	7	4,0 m	0,069 mm	0,074 mm	0,081 mm	0,089 mm
WM MMA 4.5	7	4,5 m	0,078 mm	0,089 mm	0,096 mm	0,104 mm

INNOVATION MEETS TRADITION

The WENZEL Group is a market leader in innovative Metrology. WENZEL offers a comprehensive product portfolio in the fields of Coordinate Metrology, Computed Tomography and Optical High Speed Scanning. The technology of WENZEL is used in all industries, including the automotive sector, aeronautics, power generation and

medicine. WENZEL looks at today on an installed base of more than 10,000 machines worldwide. Subsidiaries and agencies in more than 50 countries support sales and provide after-sales service for our customers. The WENZEL Group today employs more than 600 people.



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