

Optimax

Mahr Digimar Height Gauge

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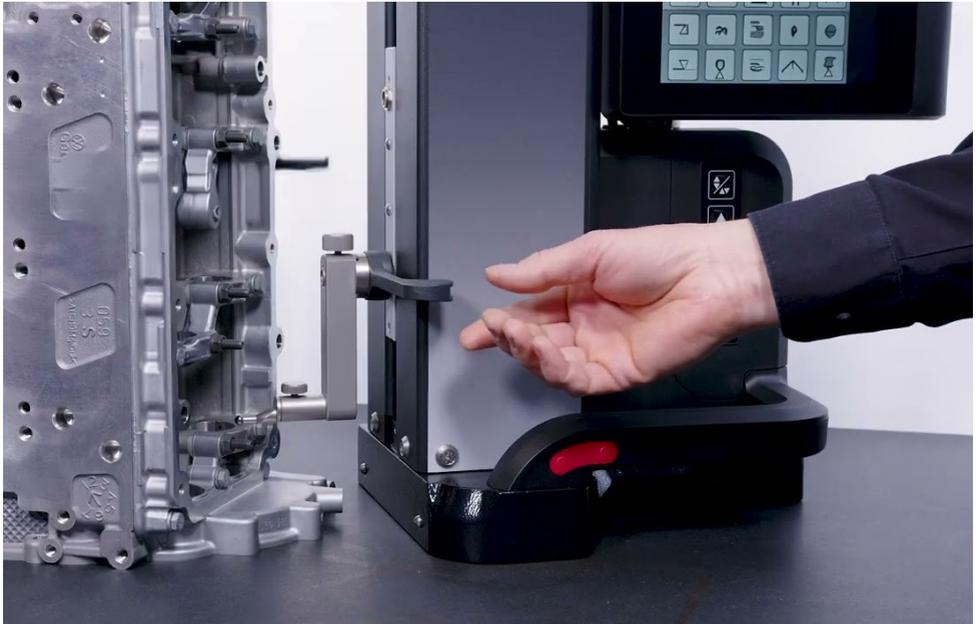


Fully Motorized Z-Axis & SPC Output
Rugged Design & Intuitive Operation
Relieve CMM Bottlenecks
Operator-Focused Ergonomics

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Unleash CMM capacity with motorized precision on the shop floor



Is your coordinate measuring machine (CMM) a bottleneck, slowing production and delaying deliveries? Manual inspection is no longer enough, it's slow, error-prone, and lacks modern digital traceability. Meet the Mahr Digimar 817 CLT: a motorized digital height gauge engineered to eliminate these inefficiencies. It delivers rapid, automated, and documented measurement directly on the shop floor, ensuring your quality control keeps pace with production.

The Mahr Digimar 817 CLT is a state-of-the-art, motorized digital height gauge that redefines precision measurement. Moving far beyond traditional manual tools, it integrates robust, precision-ground construction with fully automated movement and seamless SPC (Statistical Process Control) software connectivity. It's a centralised inspection station that brings CMM-level accuracy and traceability to the point of production, drastically reducing wait times and boosting overall efficiency.

Key Features & Benefits

• Fully Motorized Automation

Program measurements for flawless consistency. Eliminates operator influence for repeatable results and frees staff for other tasks.

• Seamless SPC & Traceability

Stream data to QC software for real-time SPC. Generate instant, audit-ready reports with complete digital traceability.

• Relieve CMM Bottlenecks

Perform rapid inspections on the shop floor. Offload routine checks to free your CMM for complex work, increasing lab capacity.

• Operator-Focused Ergonomics

Designed for comfort and efficiency with a positionable swivel arm, intuitive keys, and a large display to reduce fatigue and speed up inspections.

• High-Accuracy Linear Encoder

Ensures exceptional measurement precision and long-term reliability for unwavering confidence in every result.

• Rugged & Intuitive

Built for harsh environments with intuitive software that minimizes training and maximizes throughput.



Ideal for

• Aerospace & Automotive Machining

Accelerate dimensional checks on critical components and reduce CMM backlog. Maintain tight tolerances.

• Medical Device Manufacturing

Achieve 100% traceable measurements to meet stringent FDA and ISO quality audit requirements with ease. Ensure flawless verification.

• Precision Machining & Job Shops

Enhance throughput with high-speed inspection, automated scribing, and improved first-pass yield.

Specification

Range: 0-14in/0-350mm, 0-24in/0-600mm, 0-40in/0-1000mm

Resolution: Up to 0.00001 in / 0.0001 mm

Drive: Fully Motorized Z-Axis

Output: SPC & PDF Data Export

Rating: IP40 Shop-Floor Protection

Scribing: Programmable Digital Layout

Interface: USB & Ethernet

Inspection & Metrology

With years of industry knowledge, we source the best inspection equipment, backed by a UKAS-accredited laboratory and dedicated support team. We help you confidently choose and implement inspection technology at the highest level of automation

Technical Services

- UKAS Calibration
 - Consultancy & Training
 - Programming
 - Contract Inspection
 - Repairs and Upgrades
- Enquire at:

support@optimaxonline.com
or call our Support line on
01858 436944

Get in touch

To arrange a free no obligation demonstration or to discuss your particular application or requirement call or email us now.

Come and see us

Why not come along to our conveniently situated Midlands based showroom for a better look at what we can offer.

We are accredited to:

- UKAS ISO17025
- Safe Contractor
- Cyber Essentials
- Running on EOS
- Industry best practices for quality and security

UKAS Schedule covers:

- Height Gauges
- Shadowgraphs
- Microscopes
- Video CMM's
- Optical Shaft

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