

Gage Max FaroArm®

The Standard in Performance and Affordability

The FARO® Gage Max is our most affordable 3D Coordinate Measuring Machine (CMM). It is also the most accurate FaroArm ever produced, and allows for confident measurements across a wide range of industrial uses at a value that delivers a significant return on investment (ROI).

Ideal for small-size, high-accuracy tasks, the Gage Max is the most intuitive, ergonomic and versatile articulated portable CMM, enabling machine shops to meet their most demanding quality specifications. Additionally, the Gage Max minimizes clutter from traditional hand tools such as calipers, micrometers and height gauges. These traditional tools only measure a single dimension at a time. Isn't it time to effortlessly measure in 3D?

Designed with the precision of a lab instrument and the ruggedness of a shop floor device, the Gage Max sets up in seconds, reduces inspection time and delivers quality results with exceptional flexibility, resulting in increased throughput and productivity.

Reliance on hard-to-use and expensive fixed CMMs is virtually eliminated, thanks to best-in-class performance for hard probing applications. The Gage Max eliminates inspection bottlenecks, improves conventional measurement instruments, and reduces variability from one operator to another.

The Gage Max sets an industry benchmark in compact performance and affordability, extending FARO's tradition of maximum measurement accuracy, consistency, and reliability in every working environment.



Features

Working Volume of 1.5 m (4.9 ft)

- 20% more reach than the previous-generation Gage
- Ideal for small parts, molds, and assemblies

Multi-Probe Capability

- Kinematic quick-release probes with automatic recognition
- No need to re-calibrate when changing probes
- Multiple probe sizes and length options to choose from

Internal Counterbalancing

- FARO's patented internal counterbalance technology
- Allows for single-hand, fatigue-free operation

Ergonomic Design

- Comfortable handle with simple 2-button operation
- Lightweight for easy transportation and setup
- 6 points of articulation provide exceptional reachability

International Standard

- Compliance with the rigorous ISO 10360-12
- International standard for acceptance and re-verification of articulated CMMs

Universal Quick Mount

- Compatible with a wide range of mounting options
- Magnetic mounts, vacuum mounts, tripods
- Offers real setup-where-you-need-it convenience

Temperature & Overload Sensors

- Allow the Gage Max to sense and react to thermal variations and improper handling for maximum accuracy

Powerful Software Options

- Full compatibility with FARO CAM2® inspection software
- Works with FaroArm compatible 3rd party software

Extended Battery Use*

- Extended Battery Use*
- Single or dual hot-swappable battery operation
- Continuous cable-free operation without external power
- Setup on-machine; where the part is made

High-Speed Wireless Operation*

- Cable-free operation
- Inspect wirelessly via Bluetooth or Wi-Fi technology

*Optional

Benefits

Boost Productivity

- The Gage Max allows manufacturers to work faster and smarter, delivering better quality products and a significant reduction in measurement and inspection time

Improve Efficiency

- Minimize rework and scrap, ensuring maximum confidence in products and processes
- Use right on the shop or production floor and eliminate bottlenecks in the inspection room
- Inspect the part while it is still on the machine
- Reduce the number of tools and instruments required to complete the job
- Generate repeatable inspection programs with automatic reporting



Increase Quality and Reliability

- Gage Max allows users to stay ahead of the competition with better quality assurance
- Advanced metrology device delivers unparalleled performance
- Tested under extreme conditions to ensure reliability in challenging industrial environments

Maximize ROI

- FARO's most affordable measurement arm
- Intuitive, easy-to-use with minimal learning curve
- Catch defects sooner and deliver parts faster
- Exceptional warranty, low maintenance costs



Specifications

Performance Specifications*		Hardware Specifications	
SPAT ¹	0.012 mm (0.0005 in)	Working Volume	1.5 m (4.9 ft)
EUNI ²	0.022 mm (0.0009 in)	Weight	8.2 kg (18.0 lbs)
Psize ³	0.007 mm (0.0003 in)	Operating Temp Range	10°C - 40°C (50°F - 104°F)
PFORM ⁴	0.012 mm (0.0005 in)	Power Supply	100-240 VAC; 47/63 Hz
LDIA ⁵	0.024 mm (0.0009 in)	Operating Humidity Range	10%-95%, non-condensing

All values represent MPE (Maximum Permissible Error)

* In accordance with ISO 10360-12 | ¹ SPAT – Single Point Articulation Test | ² Euni – Distance Error between two points comparing measured versus nominal values | ³ Psize – Sphere Probing Size Error comparing measured versus nominal values | ⁴ Pform – Sphere Probing Form Error | ⁵ Ldia – Sphere Location Diameter Error (Diameter of the spherical zone containing the centers of a sphere measured from multiple orientations)

Meets OSHA requirements, NRTL TÜV SÜD C-US Listed, Complies with Electronic Code of Federal Regulations 47 CFR PART 15, 17 CFR Parts 240 and 249b – Conflict Material, 21 CFR 1040 Performance standards For Light-Emitting Products, and 10 CFR Part 430 – Department of Energy; Energy Conservation for External Power Supplies.

Complies with the following EC Directives: 93/68/EEC CE Marking; 2014/30/EU Electrical Equipment; 2014/53/EU Radio Equipment Directive; 2011/65/EU RoHS2; 2002/96/EC WEEE; 2006/66/EC WEEE; 2006/66/EC Batteries and Accumulators; 2014/35/EU Low Voltage Directive; 2009/125/EC Ecodesign requirement.

Conforms to the following standards: EN 61010-1:2010 / CSA-C22.2; EN 61326-1:2013 EMC; ETSI EN 300 328 V2.1.1; ETSI 301 489-1 V1.9.2; ETSI 301 489-17 V2.2.1; ETSI EN 62311:2008; IEEE 802.11 b/g; FCC Part 15.247 (WLAN and Bluetooth); Japanese Radio Law MPT No. 37 Ordinance (MIC classification WW); UN T1-T8; IEC 62133 2nd ed.; IEC 60825-1:2014 ed3.0; FDA (CDRH) 21 CFR 1040.10 / ANSI Z136.1-2007; EN 50581:2012; 21 CFR 1002 (Records & Reports); 21 CFR 1010 (Performance Standards).

Shock and Vibrations Testing per International Electrotechnical Commission (IEC) Standards: IEC 60068-2-6; IEC 60068-2-64; IEC 60068-2-27 Extreme Temperature Cycling (-20°C to 60°C). Based on: IEC 60068-2-1; MIL-STD-810G; ISTA

Request a Demo Today



Local operations around the world. Go to [FARO.com](https://www.faro.com) to learn more.