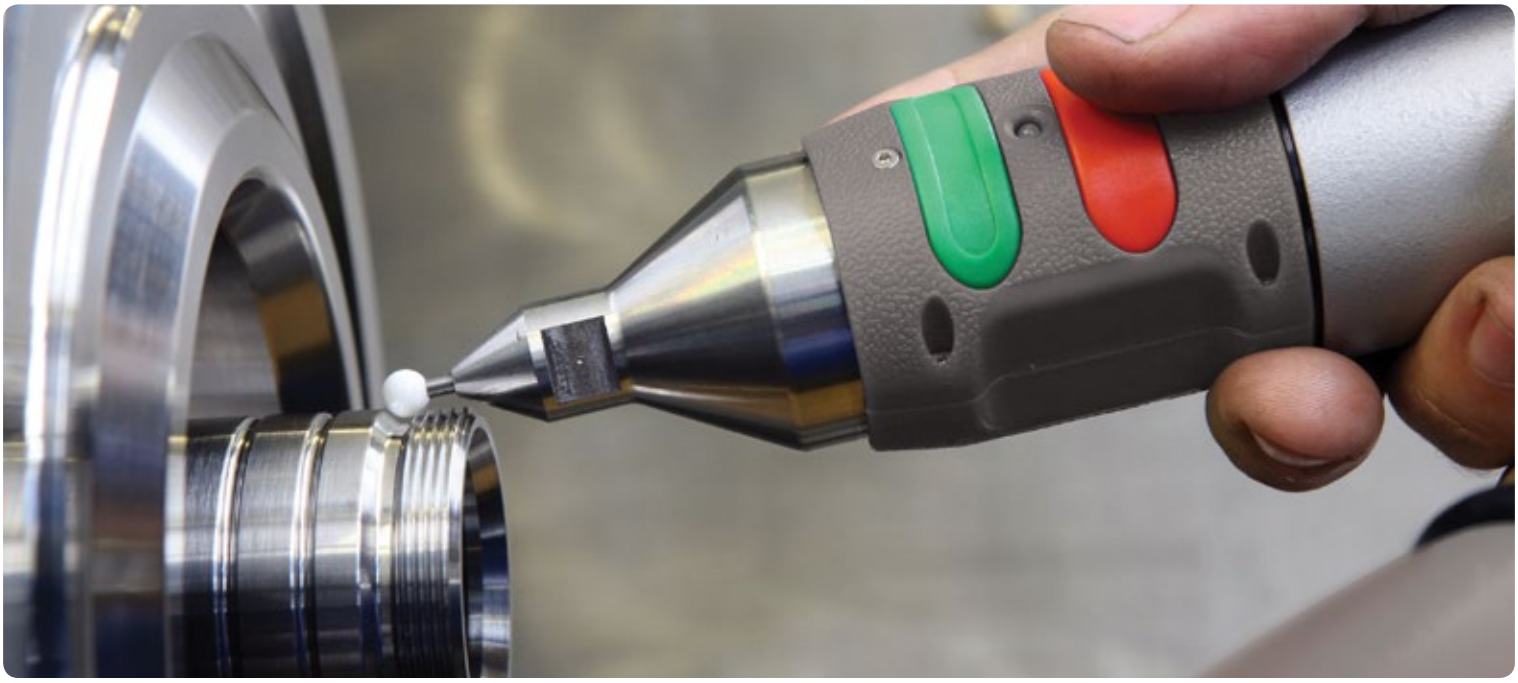
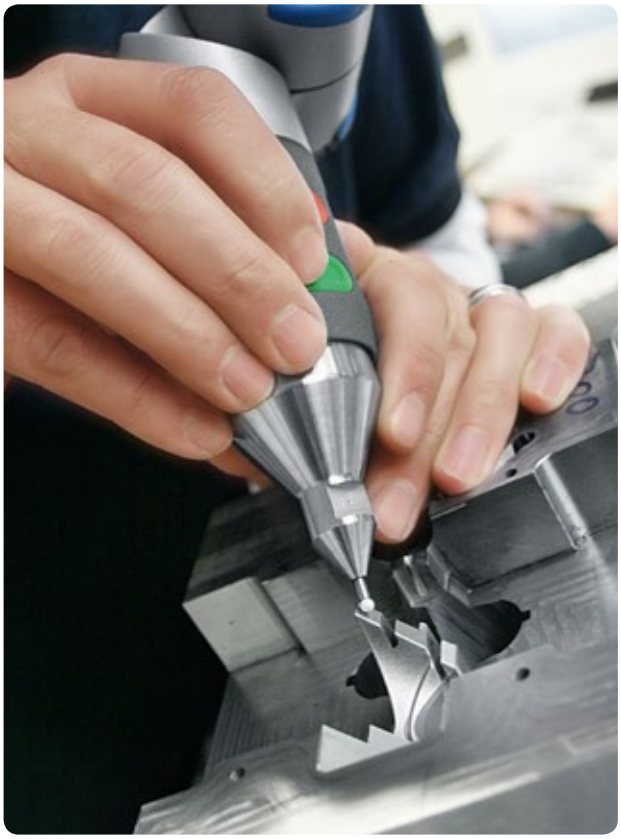
FARO Gage
Features, Benefits & Technical Specifications

FARO

Gage





The Personal CMM for any Production Environment

End the reliance on expensive and hard-to-use fixed CMMs, improve measurement consistency, generate automatic reports, and reduce inspection times with the FARO Gage. Made specifically to be used by shop floor personnel, the Gage sets up in seconds and allows anyone to measure parts and assemblies easily, quickly, and accurately. Now with Bluetooth cable-free operation, you can inspect and digitize wirelessly up to 30ft. away. Save time and money by replacing cluttered inspection areas with the one tool that can do it all – the FARO Gage.

The Gage comes with CAM2 Gage Software, a solution for measuing basic geometry and building dimensions. It allows you to quickly measure geometric features on your part so that you can easily report the dimensions you need to control. Additionally, once you have measured one complete part, you can then repeat the same measurements on the next part with no additional effort. Add images to your inspection plan and hand over the completed plan to any additional operators.

The Gage operates through inter-changeable probes at the end of the unit that take measurement points on command. These probes can be exchanged with other probes depending on the surface or material being measured. A user simply clicks a button on the end of the Gage to record a point and special encoders compute the exact position of the probe within a three-dimensional space. The point is recorded in the software and the user moves on to take another measurement.

How the Gage works

The FARO Gage operates through inter-changeable probes at the end of the unit that take measurement points on command. These probes can be exchanged with other probes depending on the surface or material being measured. A user simply clicks a button on the end of the Gage to record a point and special encoders compute the exact position of the probe within a three-dimensional space. This point is recorded in the software and the user moves on to take another measurement.

Gage

Features of the Gage

1.2m (48") Working Volume
Ideal for all your small parts, molds and assemblies

Temperature & Overload Sensors
Allow the Gage to "sense" and react to thermal variations and improper handling for maximum accuracy

Multi-Probe Capability
Including various ball diameters, touch-sensitive, curved, and extensions

Internal Counterbalancing
Allows the user to move the Gage easily with one hand without becoming fatigued

Bluetooth Cable-Free Operation
Inspect and digitze wirelessly up to 10m (30ft) away

Universal 3.5" Quick Mount
Offers real convenience and less downtime

Benefits to the end user

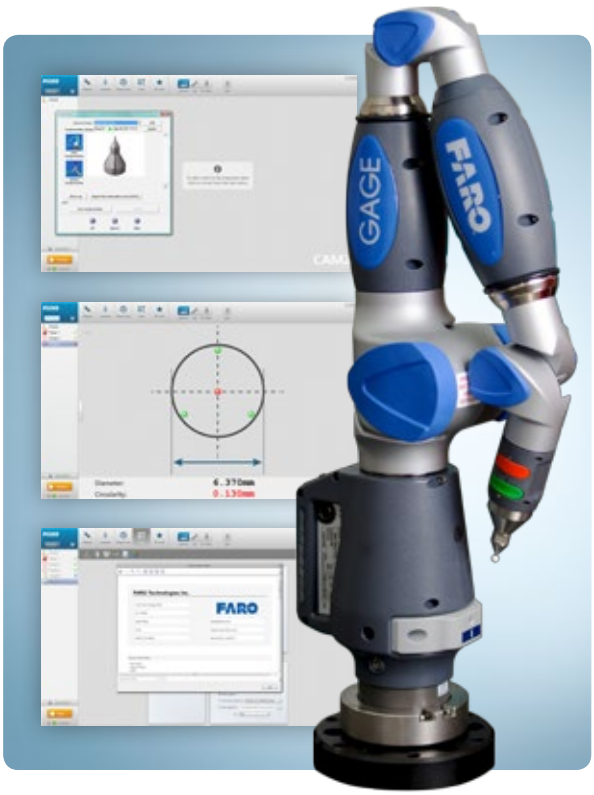
- Designed for everyday use and easy operation
- With minimal training, machinists can quickly take accurate and consistent measurements
- The user can move the Gage easily with one hand without becoming tired
- With integrated Bluetooth operation, you can truly "measure anywhere"

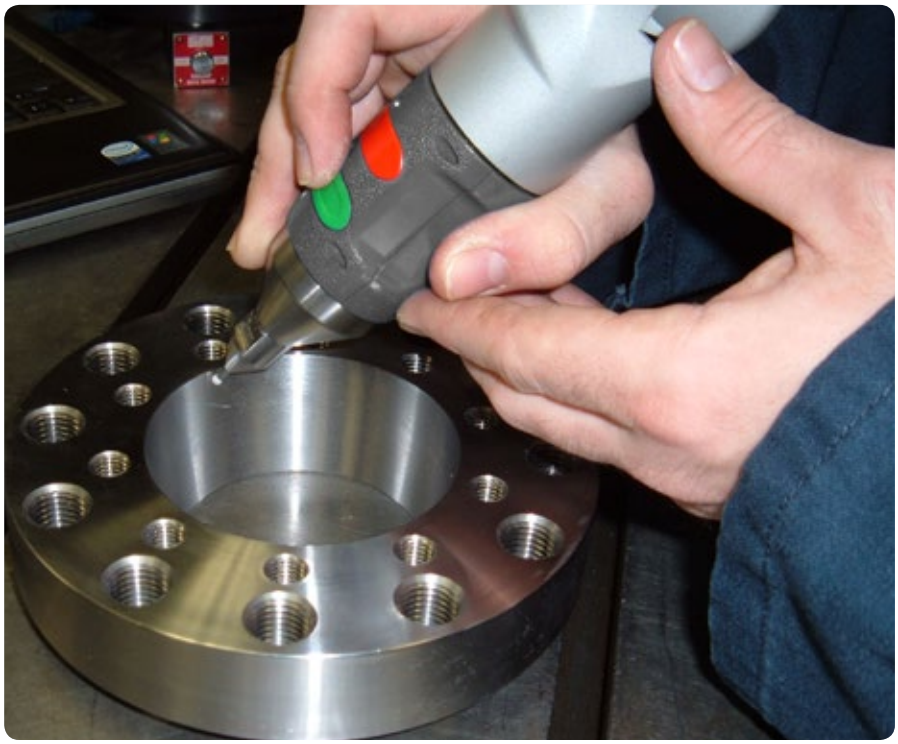
Benefits to the company

- Improve upon hand tools to elimiate individual operator variability
- Design parts and products with precision and ease
- Mount and measure parts in process
- Increase productivity with reduced measurement and inspection times
- Increase production efficiency and delivery parts more quickly
- Meets quality standards with automatic, computer-generated reports

FARO Gage

www.faro.com/gage





Specifications

ISO 9001 BUREAU VERITAS Certification

GSA Contract Holder

Measurement Range: 1.2m (4ft)
Volumetric Maximum Deviation: ±0.025mm (±0.001in)
Single Point Articulation Performance Test (Max-Min)/2: 0.018mm (0.0007in)
Weight: 9.1kg (20.0lbs)

FARO Gage test methods - (Test methods are a subset of those given in the B89.4.22 standard.). Single point articulation performance test (Max-Min)/2: The probe of the FARO Gage is placed within a conical socket, and individual points are measured from multiple approach directions. Each individual point measurement is analysed as a range of deviations in X, Y, Z. This test is a method for determining articulating measurement machine repeatability. Volumetric maximum deviation: Determined by using traceable length artifacts, which are measured at various locations and orientations throughout the working volume of the FARO Gage. This test is a method for determining articulating measurement machine accuracy.

Hardware Specifications

Operating Temperature Range: 10°C - 40°C (50°F - 104°F)
Temperature Rate: 3°C/5min (5.4°F/5min)
Operating Humidity Range: 95%, noncondensing
Power Supply: Universal worldwide voltage 85-245VAC, 50/60Hz
Certifications: MET (UL, CSA Certified); CE compliance; Directive 93/68/EEC, (CE Marking); Directive 89/336/EEC, (EMC); FDA CDRH, Subchapter J of 21 CFR 1040.10; Electrical Equipment for Measurement, Control & Lab Use; EN 61010-1:2001, IEC 60825-1, EN 61326; Electromagnetic Compatibility (EMC); EN 55011, EN 61000-3-2, EN 61000-3-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11; Pat. 5402582, 5611147, 5794356, 6366831, 6606539, 6904691, 6925722, 6935036, 6973734, 6988322, 7032321, 7043847, 7051450, 7069664, 7269910, D607350

FARO offers optional VDI/VDE 2617-9 certification for an additional charge. Please ask your sales representative for details.

For more information call 800.736.0234
or visit www.faro.com/gage

SFDC_04MKT_0131 Revised: 1/28/13