

Manchester Metrology LTD

Portable Measurement Solutions

FARO® Gage

www.Manchester-Metrology.co.uk



1.2m (48") Working Volume

Ideal for all your small parts, moulds and assemblies.

Temperature & Overload Sensors

Allow the Gage to 'sense' and react to thermal variations and improper handling for maximum accuracy.

Bluetooth® Cable-Free Operation

Inspect and digitise wirelessly up to 10m (30ft.) away.

Internal Counterbalancing

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

Multi-Probe Capability

Including various ball diameters, touch-sensitive, curved, and extensions.

Extended-Use Battery (Optional)

provides true 'measure anywhere' capability.

Universal 3.5" Quick Mount

Offers 'mount-it-to-where-you-make-it' convenience and less downtime.

The FARO Gage is the industry's first line of personal Coordinate Measuring Machines (CMMs). With its 1.2m (48") working volume, it is the 'mount-it-to-where-you-make-it', truly portable, cost-effective, 3D, minimal-training gages for machinists. The FARO Gage replaces all conventional gaging devices with an expandable library of gaging tools. Save time and money by replacing your cluttered inspection area with the one tool that can do it all.

Most Common Applications

Aerospace: Repair & Refit

Tool & Die: Master Moulds, Tool Setup

Automotive: Engine components, Braking components, Hydraulics and Castings

Castings & Mouldmaking: Pre-Cast Mould, Composite Tooling

Benefits

- ▶ HIGH accuracy
- ▶ Portable and easier-to-use than a fixed CMM
- ▶ Mount and measure parts in process
- ▶ Up to 0.018mm ($\pm 0.0007''$) accuracy
- ▶ Generate GD&T & SPC reports



Performance Specifications

Measurement Range	Repeatability ¹	Accuracy ²	Faro Gage Weight
Gage 1.2m (4ft.)	0.018mm (0.0007in.)	±0.025mm (±0.001in.)	9.1kg (20.0lbs.)

FARO Gage test methods - (Test methods are a subset of those given in the B89.4.22 standard.)

¹ Single point articulation performance test (Max-Min)/2: The probe of the FARO Gage is placed within a conical socket, Q 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.

² 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 temp 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.