

FaroArm® Platinum



Temperature & Overload Sensors

Located in each joint, they allow the arm to “feel” and react to thermal variations and improper handling for maximum accuracy.

NEW — Bluetooth® Cable-Free Operation

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

Optional 7-Axes Availability

Provides an additional axis of rotation for non-contact laser line probes or curved probes.

Internal Counterbalancing

Internal counterbalancing provides comfortable stress-free usage.

Multi-Probe Capability

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

Extended-Use Battery

Integrated extended-use battery provides true ‘measure anywhere’ capability.

NEW — Auto Sleep Mode

Automatically turns off unit to save energy and extend component life.

The Best-Selling Portable CMM!

The FaroArm Platinum measurement arm's high accuracy renders traditional CMMs, hand tools and other portable inspection equipment obsolete. Anyone, anywhere can inspect, reverse engineer or perform CAD-to-part-analysis on parts, fixtures and assemblies with previously unheard of precision. When you partner that accuracy with its adaptable 3D measurement technology and customised zero-training FARO® SOFTCHECK™ tools (with or without CAD), it is ideal for forming, moulding, fabricating, casting and assembly facilities needing basic 3D measurements or advanced GD&T and SPC output.

Most Common Applications

Aerospace: Alignment, tooling & mould certification, part inspection ▪ **Automotive:** Tool building & certification, alignment, part inspection ▪ **Metal fabrication:** On-machine inspection (OMI), first article inspection, periodic part inspection ▪ **Moulding/ tool & die:** mould and die inspection, prototype part scanning

Features

- ▶ Up to 0.020mm precision
- ▶ 7-axes availability
- ▶ 6-degrees-of-freedom probe
- ▶ Adaptable 3D measurement technology
- ▶ Composite material construction



Performance Specifications

Model (Measuring range) axes	Single point articulation performance test (Max-Min)/2		Volumetric maximum deviation		FaroArm weight	
	6	7	6	7	6	7
Platinum 1.8m (6ft.)	0.020mm (0.0008in.)	0.026mm (0.0010in.)	±0.029mm (±0.0011in.)	±0.037mm (±0.0015in.)	9.3kg (20.5lbs.)	9.5kg (21lbs.)
Platinum 2.4m (8ft.)	0.025mm (0.0010in.)	0.030mm (0.0012in.)	±0.036mm (±0.0014in.)	±0.043mm (±0.0017in.)	9.5kg (21lbs.)	9.75kg (21.5lbs.)
Platinum 3.0m (10ft.)	0.043mm (0.0017in.)	0.052mm (0.0020in.)	±0.061mm (±0.0024in.)	±0.073mm (±0.0029in.)	9.75kg (21.5lbs.)	9.98kg (22lbs.)
Platinum 3.7m (12ft.)	0.061mm (0.0024in.)	0.073mm (0.0029in.)	±0.086mm (±0.0034in.)	±0.103mm (±0.0041in.)	9.98kg (22lbs.)	10.21kg (22.5lbs.)

FaroArm 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 FaroArm 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 FaroArm. This test is a method for determining articulating measurement machine accuracy.

Hardware Specifications

Operating temp range: 10°C - 40°C (50°F - 104°F)

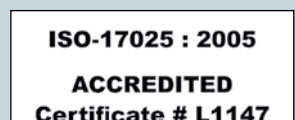
Temperature rate: 3°C/5min. (5.4°F/5min.)

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

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