



ADVANTAGE FARO ARM

Not every manufacturing facility needs the .0005" precision of the Platinum FaroArm, but what every business needs is a cost-efficient means of improving quality. FARO has always done that, and the Advantage FaroArm does it for less than ever before. The Advantage line caters to shops that recognize the value of a basic coordinate measurement machine (CMM), but also want the power to perform advanced measurements, CAD-to-part comparisons and reverse engineering, and now they can do so within a tight budget — but without sacrificing quality.

- .002" Accuracy
- 7-Axis Availability
- 6-Degrees-of-Freedom Probe
- Adaptable 3-D Measurement Technology
- Space-Age Composite Construction

Most Common Applications

Aerospace:

Alignment, Tooling & Mold Certification, Part Inspection

Automotive:

Tool Building & Certification, Alignment, Part Inspection

Metal Fabrication:

OMI, First article inspection, Periodic Part Inspection

Molding/Tool & Die:

Mold and Die Inspection, Prototype Part Scanning



- A Located in each joint, they allow the Arm to "feel" and react to thermal variations and improper handling for maximum accuracy
- B High-strength, lightweight construction for total portability and true "measure anywhere" performance
- C Internal counter balancing provides comfortable stress-free usage
- D Including various Ball Diameters, Touch-Sensitive, Curved and Extensions
- E Integrated extended-use battery Provides true "measure anywhere" capability
- F Provides an additional Axis of Rotation for non-contact Laser Line Probes or curved probes
- G Universal 3.5" quick-mount for mounting on granite or metal surfaces offers "Mount-it-where-you-make-it" convenience and less downtime

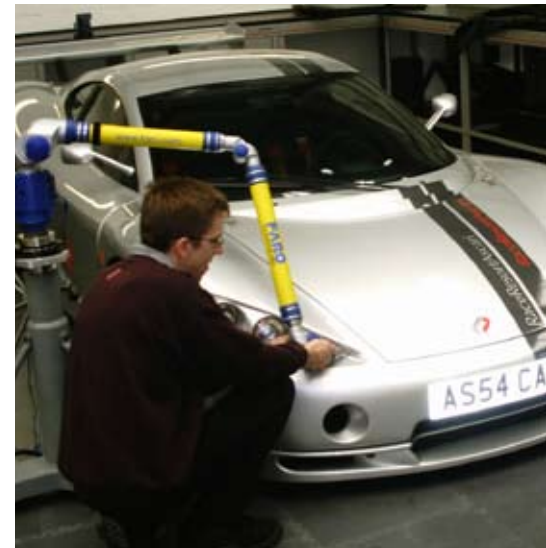
Performance Specifications

Model (Measuring Range)	Single Point Articulation Performance Test*		Volumetric Performance*		FaroArm Weight	
	6-Axis	7-Axis	6-Axis	7-Axis	6-Axis	7-Axis
4 ft. (1.2m)	±.002 in. (±.051 mm)	±.0028 in. (±.071 mm)	±.0028 in. (±.072 mm)	±.0040 in. (±.101 mm)	20 lbs. (9.1 kg)	20.5 lbs. (9.3 kg)
6 ft. (1.8m)	±.0032 in. (±.081 mm)	±.0042 in. (±.106 mm)	±.0045 in. (±.115 mm)	±.0059 in. (±.149 mm)	20.5 lbs. (9.3 kg)	21 lbs. (9.5 kg)
8 ft. (2.4m)	±.0040 in. (±.051 mm)	±.0048 in. (±.122 mm)	±.0057 in. (±.144 mm)	±.0068 in. (±.172 mm)	21 lbs. (9.5 kg)	21.5 lbs. (9.75 kg)
10 ft. (3.0m)	±.0068 in. (±.173 mm)	±.0082 in. (±.207 mm)	±.0096 in. (±.244 mm)	±.0115 in. (±.293 mm)	21.5 lbs. (9.75 kg)	22 lbs. (9.98 kg)
12 ft. (3.7m)	±.0096 in. (±.244 mm)	±.0115 in. (±.293 mm)	±.0136 in. (±.345 mm)	±.0163 in. (±.414 mm)	22 lbs. (9.98 kg)	22.5 lbs. (10.21 kg)

*Per ASME B89.4.22. For full descriptions of test methods used, please refer to our website www.faro.com.

Hardware Specifications

- Operating Temp range:** 10 to 40°C
- Temperature Delta:** 3°C/5min.
- Humidity:** 95%, noncondensing
- Calibration Lifecycle:** Permanent
- Protection:** IP 64 standards
- Power Supply:** Universal worldwide voltage
85-245VAC, 50/60 Hz
- Certifications:** CE compliance
Directive 73/23/EEC, Low Voltage Directive
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



"The FaroArm has given us measurement capability that would not be possible with a CMM."
— BAE



www.FARO.com
800.736.0234

