



# PLATINUM FARO ARM

The Platinum FaroArm's .0005" accuracy renders traditional CMMs, hand tools and other portable inspection equipment obsolete. Anyone, anywhere can now 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 3-D measurement technology and customized zero-training Soft-Tools (with or without CAD), it is ideal for forming, molding, fabricating, casting and assembly facilities needing GD&T and SPC output.

- .0005" 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 Temperature & Overload Sensors

B Lightweight Construction

C Internal Counterbalancing

D Multi-Probe Capability

E Extended-Use Battery

F Optional 7-Axis Availability

G Universal 3.5" Quick Mount



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)	±.0005 in. (±.013 mm)	±.0007 in. (±.018 mm)	±.0007 in. (±.018 mm)	±.0010 in. (±.018 mm)	20lbs. (9.1kg)	20.5lbs. (9.3kg)
6 ft. (1.8m)	±.0008 in. (±.020 mm)	±.0010 in. (±.026 mm)	±.0011 in. (±.029 mm)	±.0015 in. (±.037 mm)	20.5lbs. (9.3kg)	21lbs. (9.5kg)
8 ft. (2.4m)	±.0010 in. (±.025 mm)	±.0012 in. (±.030 mm)	±.0014 in. (±.036 mm)	±.0017 in. (±.043 mm)	21lbs. (9.5kg)	21.5lbs. (9.75kg)
10 ft. (3.0m)	±.0017 in. (±.043 mm)	±.0020 in. (±.052 mm)	±.0024 in. (±.061 mm)	±.0029 in. (±.073 mm)	21.5lbs. (9.75kg)	22lbs. (9.98kg)
12 ft. (3.7m)	±.0024 in. (±.061 mm)	±.0029 in. (±.073 mm)	±.0034 in. (±.086 mm)	±.0041 in. (±.103 mm)	22lbs. (9.98kg)	22.5lbs. (10.21kg)

Test methods are a subset of those given in the B89.4.22 standard. For full descriptions of test methods, please refer to our website: [www.faro.com](http://www.faro.com).

### Hardware Specifications

- Operating Temp Range:** 10 to 40°C (50°F to 104°F)
- Temperature Delta:** 3°C/5min. (5.4°F/5min.)
- Humidity:** 95%, noncondensing
- Calibration Lifecycle:** Permanent
- 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**



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