TITANIUM FAROARM

When you want the portable measurement and reverse-engineering capabilities of the FARO Platinum Arm® — and have flexible accuracy requirements — the cost-effective choice is FARO's intermediate arm series, the Titanium FaroArm®. The Titanium's high precision means that the shop floor now has an affordable solution for most of their measurement needs. The Titanium FaroArm enables anyone, anywhere to inspect, reverse engineer or perform CAD-to-Part-analysis on parts, fixtures and assemblies with remarkable accuracy.

- .001" 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

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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)	±.001 in. (±.025 mm)	±.0014 in. (±.036 mm)	±.0014 in. (±.036 mm)	±.0020 in. (±.050 mm)	20 lbs. (9.1 kg)	20.5 lbs. (9.3 kg)
6 ft. (1.8m)	±.0016 in. (±.041 mm)	±.0021 in. (±.053 mm)	±.0023 in. (±.057 mm)	±.0029 in. (±.075 mm)	20.5 lbs. (9.3 kg)	21 lbs. (9.5 kg)
8 ft. (2.4m)	±.0020 in. (±.051 mm)	±.0024 in. (±.061 mm)	±.0028 in. (±.072 mm)	±.0034 in. (±.086 mm)	21 lbs. (9.5 kg)	21.5 lbs. (9.75 kg)
10 ft. (3.0m)	±.0034 in. (±.086 mm)	±.0041 in. (±.104 mm)	±.0048 in. (±.122 mm)	±.0058 in. (±.147 mm)	21.5 lbs. (9.75 kg)	22 lbs. (9.98 kg)
12 ft. (3.7m)	±.0048 in. (±.122 mm)	±.0058 in. (±.146 mm)	±.0068 in. (±.172 mm)	±.0081 in. (±.207 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

Certified ISO 9001 by BVQI
ANAB ACCREDITED
GSA Contract Holder

www.FARO.com
800.736.0234

LABORATORY ACCREDITATION BUREAU
ACCREDITED
Certificate # L1147

Global Sales Offices: USA • Germany • France • United Kingdom • Spain • Italy • Netherlands • Poland • Singapore • China • Japan • India

04REF201-028.pdf Revised: 10/09/06