

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

Bluetooth® Cable-Free Operation

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

Optional 7-Axis Availability

Provides an additional Axis of Rotation for non-contact Laser Line Probes or curved probes

Internal Counterbalancing

Internal counter balancing 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

Auto Sleep Mode

Automatically turn off unit to save energy and extend component life

The Best-Selling Portable CMM!

The FaroArm Platinum's high 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 3D measurement technology and customized zero-training SoftCheck Tools (with or without CAD), it is ideal for forming, molding, fabricating, casting and assembly facilities needing basic 3D measurements or advanced GD&T and SPC output.

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

Features

- Accuracy starting at ±0.029mm
- ▶ 7-Axis Availability
- ▶ 6-Degrees-of-Freedom Probe
- Adaptable 3D Measurement Technology
- ▶ Composite Material Construction

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Performance Specifications

Model (Measuring Range)	Volumetric Accuracy		Single Point Repeatability		FaroArm Weight	
axis	6	7	6	7	6	7
Platinum 6 ft. (1.8 m)	±.0011 in.	±.0015 in.	.0008 in.	.0010 in.	20.5 lbs.	21 lbs.
	(.029 mm)	(±.037 mm)	(.020 mm)	(.026 mm)	(9.3 kg)	(9.5 kg)
Platinum	±.0014 in.	±.0017 in.	.0010 in.	.0012 in.	21 lbs.	21.5 lbs.
8 ft. (2.4 m)	(±.036 mm)	(±.043 mm)	(.025 mm)	(.030 mm)	(9.5 kg)	(9.75 kg)
Platinum	±.0024 in.	±.0029 in.	.0017 in.	.0020 in.	21.5 lbs.	22 lbs.
10 ft. (3.0 m)	(±.061 mm)	(±.073 mm)	(.043 mm)	(.052 mm)	(9.75 kg)	(9.98 kg)
Platinum	±.0034 in.	±.0041 in.	.0024 in.	.0029 in.	22 lbs.	22.5 lbs.
12 ft. (3.7 m)	(±.086 mm)	(±.103 mm)	(.061 mm)	(.073 mm)	(9.98 kg)	(10.21 kg)

FaroArm Test Methods - (Test methods are a subset of those given in the B89.4.22 standard.)

Volumetric Accuracy or 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

Single Point Repeatability or 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 analyzed as a range of deviations in X, Y, Z. This test is a method for determining articulating measurement machine repeatability.

Hardware Specifications

Operating Temp range: 10°C to 40°C (50°F to 104°F) Operating Humidity Range: 0-95%, noncondensing

Temperature Rate: 3°C/5min. (5.4°F/5min. Max) **Power Supply:** Universal worldwide voltage 85-245VAC, 50/60 Hz

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 Certifications:

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, 7017275, 7032321, 7043847, 7051450, 7069664, 7269910, D490830, D491210





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