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

- Precision up to 0.020mm
- 7-Axis Availability
- 6-Degrees-of-Freedom Probe
- Adaptable 3D Measurement Technology
- Composite Material Construction

FaroArm Platinum




Performance Specifications

Model (Measuring Range)	***Single Point Articulation Performance Test*** *(Max-Min)/2*		***Volumetric Maximum Deviation***		***FaroArm Weight***	
axis	6	7	6	7	6	7
Platinum **6 ft.** (1.8 m)	**.0008 in.** (.020 mm)	**.0010 in.** (.026 mm)	**±.0011 in.** (.029 mm)	**±.0015 in.** (±.037 mm)	**20.5 lbs.** (9.3 kg)	**21 lbs.** (9.5 kg)
Platinum **8 ft.** (2.4 m)	**.0010 in.** (.025 mm)	**.0012 in.** (.030 mm)	**±.0014 in.** (±.036 mm)	**±.0017 in.** (±.043 mm)	**21 lbs.** (9.5 kg)	**21.5 lbs.** (9.75 kg)
Platinum **10 ft.** (3.0 m)	**.0017 in.** (.043 mm)	**.0020 in.** (.052 mm)	**±.0024 in.** (±.061 mm)	**±.0029 in.** (±.073 mm)	**21.5 lbs.** (9.75 kg)	**22 lbs.** (9.98 kg)
Platinum **12 ft.** (3.7 m)	**.0024 in.** (.061 mm)	**.0029 in.** (.073 mm)	**±.0034 in.** (±.086 mm)	**±.0041 in.** (±.103 mm)	**22 lbs.** (9.98 kg)	**22.5 lbs.** (10.21 kg)

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 analyzed 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 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

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

ISO 9001 BUREAU VERITAS Certification

GSA Contract Holder

LABORATORY ACCREDITATION BUREAU

ISO-17025 : 2005
ACCREDITED
Certificate # L1147