

# 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

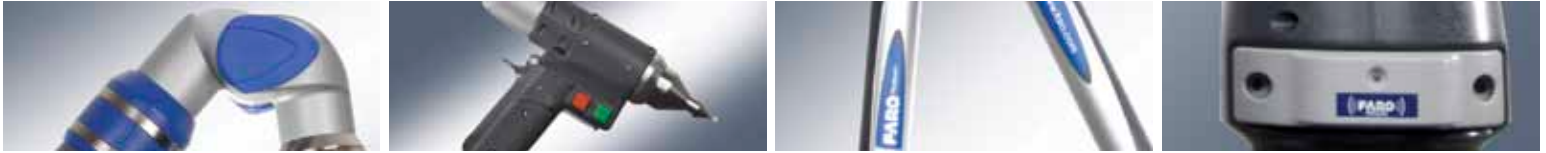
**Metal Fabrication:** OMI, First article inspection, Periodic Part Inspection

**Molding/Tool & Die:** Mold and Die Inspection, Prototype Part Scanning

## **Features**

- ▶ Accuracy starting at  $\pm 0.029\text{mm}$
- ▶ 7-Axis Availability
- ▶ 6-Degrees-of-Freedom Probe
- ▶ Adaptable 3D Measurement Technology
- ▶ Composite Material Construction

# FaroArm Platinum



## Performance Specifications

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

**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

**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**

**Pat.** 5402582, 5611147, 5794356, 6366831, 6606539, 6904691, 6925722, 6935036, 6973734, 6988322, 7017275, 7032321, 7043847, 7051450, 7069664, 7269910, D490830, D491210

