

# 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

## **Lightweight Construction**

High-strength, lightweight construction for total portability and true "measure anywhere" performance

## **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

## **NEW — 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, 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

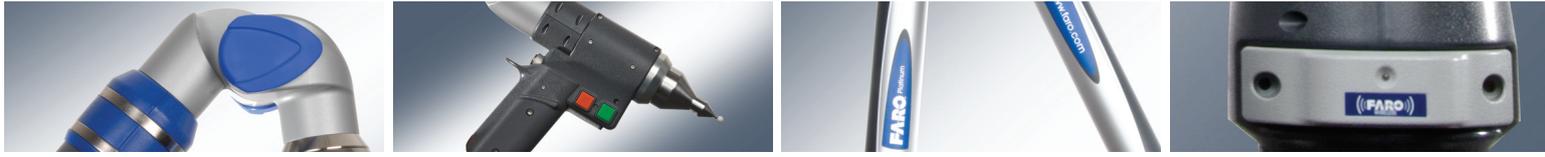
**Metal Fabrication:** OMI, First article inspection, Periodic Part Inspection

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

## Features

- ▶ Up to +/- 0.020mm precision
- ▶ 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)		<b>.0008 in.</b> (.020 mm)	<b>.0010 in.</b> (.026 mm)	<b>±.0011 in.</b> (±.029 mm)	<b>±.0015 in.</b> (±.037 mm)	<b>20.5 lbs.</b> (9.3 kg)	<b>21 lbs.</b> (9.5 kg)
Platinum 8 ft. (2.4 m)		<b>.0010 in.</b> (.025 mm)	<b>.0012 in.</b> (.030 mm)	<b>±.0014 in.</b> (±.036 mm)	<b>±.0017 in.</b> (±.043 mm)	<b>21 lbs.</b> (9.5 kg)	<b>21.5 lbs.</b> (9.75 kg)
Platinum 10 ft. (3.0 m)		<b>.0017 in.</b> (.043 mm)	<b>.0020 in.</b> (.052 mm)	<b>±.0024 in.</b> (±.061 mm)	<b>±.0029 in.</b> (±.073 mm)	<b>21.5 lbs.</b> (9.75 kg)	<b>22 lbs.</b> (9.98 kg)
Platinum 12 ft. (3.7 m)		<b>.0024 in.</b> (.061 mm)	<b>.0029 in.</b> (.073 mm)	<b>±.0034 in.</b> (±.086 mm)	<b>±.0041 in.</b> (±.103 mm)	<b>22 lbs.</b> (9.98 kg)	<b>22.5 lbs.</b> (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-17025 : 2005  
ACCREDITED  
Certificate # L1147**



**To learn more, visit [www.faro-Arm-asia.com](http://www.faro-Arm-asia.com)**

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