

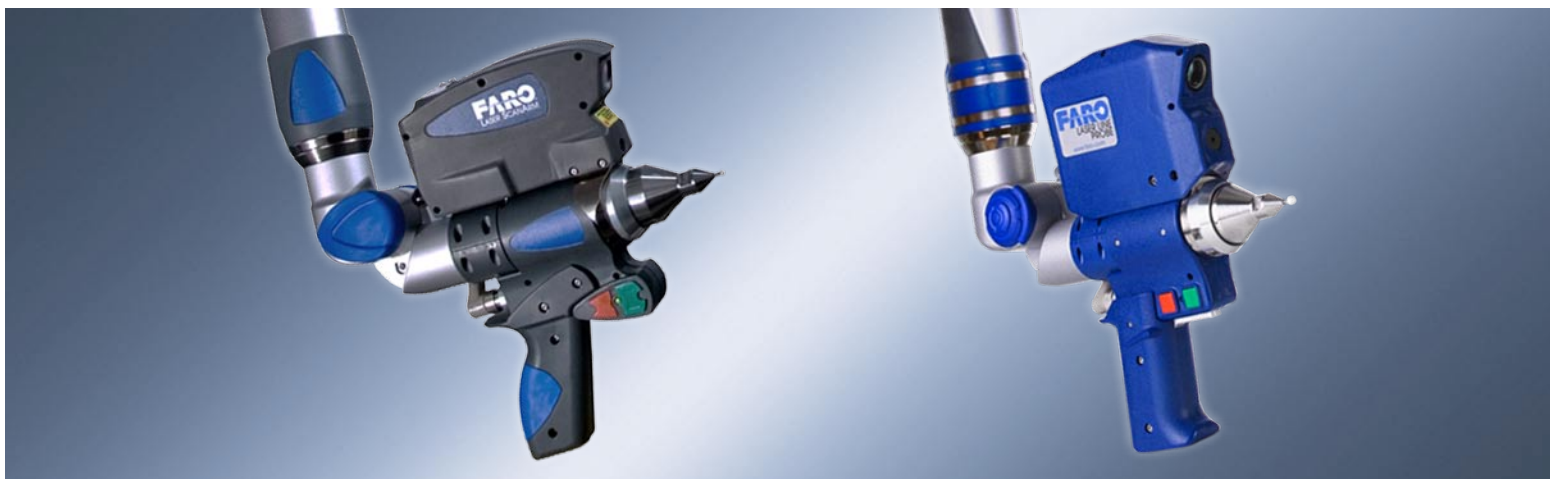
FaroArm® - Performance Specifications



Performance Specifications

Model (Measuring Range) axis	Single Point Articulation Performance Test		Volumetric Maximum Deviation		FaroArm Weight	
	6	7	6	7	6	7
Quantum 1.8m (6ft.)	0.016mm (0.0006in.)	0.019mm (0.0007in.)	±0.023mm (±0.0009in.)	±0.027mm (±0.0011in.)	9.3kg (20.5lbs.)	9.5kg (21lbs.)
Quantum 2.4m (8ft.)	0.018mm (0.0007in.)	0.020mm (0.0008in.)	±0.025mm (±0.0010in.)	±0.028mm (±0.0011in.)	9.5kg (21lbs.)	9.75kg (21.5lbs.)
Quantum 3.0m (10ft.)	0.032mm (0.0013in.)	0.039mm (0.0015in.)	±0.046mm (±0.0018in.)	±0.055mm (±0.0022in.)	9.75kg (21.5lbs.)	9.98kg (22lbs.)
Quantum 3.7m (12ft.)	0.043mm (0.0017in.)	0.051mm (0.0020in.)	±0.060mm (±0.0024in.)	±0.072mm (±0.0028in.)	9.98kg (22lbs.)	10.21kg (22.5lbs.)
Platinum 1.8m (6ft.)	0.020mm (0.0008in.)	0.026mm (0.0010in.)	±0.029mm (±0.0011in.)	±0.037mm (±0.0015in.)	9.3kg (20.5lbs.)	9.5kg (21lbs.)
Platinum 2.4m (8ft.)	0.025mm (0.0010in.)	0.030mm (0.0012in.)	±0.036mm (±0.0014in.)	±0.043mm (±0.0017in.)	9.5kg (21lbs.)	9.75kg (21.5lbs.)
Platinum 3.0m (10ft.)	0.043mm (0.0017in.)	0.052mm (0.0020in.)	±0.061mm (±0.0024in.)	±0.073mm (±0.0029in.)	9.75kg (21.5lbs.)	9.98kg (22lbs.)
Platinum 3.7m (12ft.)	0.061mm (0.0024in.)	0.073mm (0.0029in.)	±0.086mm (±0.0034in.)	±0.103mm (±0.0041in.)	9.98kg (22lbs.)	10.21kg (22.5lbs.)
Fusion 1.8m (6ft.)	0.036mm (0.0014in.)	0.046mm (0.0018in.)	±0.051mm (±0.0020in.)	±0.064mm (±0.0025in.)	9.3kg (20.5lbs.)	9.5kg (21lbs.)
Fusion 2.4m (8ft.)	0.043mm (0.0017in.)	0.051mm (0.0020in.)	±0.061mm (±0.0024in.)	±0.071mm (±0.0028in.)	9.5kg (21lbs.)	9.75kg (21.5lbs.)
Fusion 3.0m (10ft.)	0.074mm (0.0029in.)	0.089mm (0.0035in.)	±0.104mm (±0.0041in.)	±0.124mm (±0.0049in.)	9.75kg (21.5lbs.)	9.98kg (22lbs.)
Fusion 3.7m (12ft.)	0.104mm (0.0041in.)	0.124mm (0.0049in.)	±0.147mm (±0.0058in.)	±0.175mm (±0.0069in.)	9.98kg (22lbs.)	10.21kg (22.5lbs.)

FARO Laser ScanArm® - Performance Specifications



FARO Laser ScanArm V3 - Performance Specifications (non-contact)

Model	1.8m (6ft.)	2.4m (8ft.)	3.0m (10ft.)	3.7m (12ft.)
Quantum	0.054mm (0.0021in.)	0.055mm (0.0022in.)	0.074mm (0.0029in.)	0.086mm (0.0034in.)
Platinum	0.061mm (0.0024in.)	0.065mm (0.0026in.)	0.087mm (0.0034in.)	0.108mm (0.0043in.)
Fusion	0.081mm (0.0032in.)	0.086mm (0.0034in.)	0.124mm (0.0049in.)	0.159mm (0.0063in.)

FARO Laser ScanArm V2 - Performance Specifications (non-contact)

Model	1.8m (6ft.)	2.4m (8ft.)	3.0m (10ft.)	3.7m (12ft.)
Quantum	0.069mm (0.0027in.)	0.070mm (0.0028in.)	0.089mm (0.0035in.)	0.101mm (0.0040in.)
Platinum	0.076mm (0.0030in.)	0.080mm (0.0032in.)	0.102mm (0.0040in.)	0.123mm (0.0048in.)
Fusion	0.096mm (0.0038in.)	0.101mm (0.0040in.)	0.139mm (0.0055in.)	0.174mm (0.0069in.)

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 analysed 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-40°C (50°F-104°F)

Temperature Delta: 3°C/5min. (5.4°F/5min.)

Humidity: 95%, non-condensing

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

FARO, The Measure of Success, FaroArm, CAM2, XtremeADM and FARO Laser ScanArm are registered trademarks of FARO Technologies Inc.



Global Offices: Australia ▪ Brazil ▪ China ▪ France ▪ Germany ▪ India ▪ Italy ▪ Japan ▪ Malaysia ▪ Mexico ▪ Netherlands ▪ Philippines ▪ Poland
Portugal ▪ Singapore ▪ Spain ▪ Switzerland ▪ Thailand ▪ Turkey ▪ United Kingdom ▪ USA ▪ Vietnam

www.faro.com ■ Freecall 00 800 3276 7253 ■ info@faro.com