FARO® Edge
The World's Most Innovative Measurement Arm

Smart Sensor Technology
Warn against excessive external loads, correct for thermal variations, and detect possible setup problems.

Smart Connectivity
Through Bluetooth, WLAN, USB, and Ethernet-ready options. Enables multiple device management through enhanced networking.

Smart Multi-Function Handle Port
Quick-change handle and expandable capability for seamless and interchangeable accessory integration.

Ergonomics
Improved weight distribution and balance, for reduced strain and ease-of-use.

Multi-Probe Capability
Including standard, touch, FARO iProbes, and custom probes.

Intuitive On-Board Measurement System
Built-in touchscreen computer for laptop-free basic measurements. On-board diagnostics and easy-to-setup measurement routines.

The Edge is the most advanced, state-of-the-art FaroArm® ever introduced. It is the first ever smart measurement arm featuring an integrated personal measurement assistant. With its built-in touchscreen and on-board operating system, the Edge revolutionizes portable metrology by providing stand-alone basic measurement capability. The FARO Edge simplifies the user experience with improved performance, portability, and reliability. Improve production, quality, and reverse engineering processes by rapidly verifying or scanning parts with confidence and accuracy using the FARO Edge.

Most Common Applications

Aerospace: Alignment, tooling & mould certification, part inspection
Automotive: Tool building & certification, alignment, part inspection
Metal fabrication: OMI, First Article Inspection, Periodic Part Inspection
Moulding/tool & die: mould and die inspection, prototype part scanning

Benefits

- Simplified user experience
- Enhanced ergonomics, less fatigue
- Quick measurements without a computer
- Diagnose setup issues affecting performance
- Improved reliability and capability

FARO® Edge

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Performance Specifications

Measurement Range		Repeatability[1]	Accuracy[2]	FaroArm Weight
Axes		7	7	7
Edge	1,8m (6ft.)	0,024mm (0.0009in.)	±0,034mm (±0.0013in.)	10,7kg (23.6lbs.)
Edge	2,7m (9ft.)	0,029mm (0.0011in.)	±0,041mm (±0.0016in.)	10,9kg (24.1lbs.)
Edge	3,7m (12ft.)	0,064mm (0.0025in.)	±0,091mm (±0.0035in.)	11,3kg (24.9lbs.)

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

[1] Single point articulation performance test (Max-Min)/2: The probe of the FaroArm is placed within a conical socket,Q 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.

[2] 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 rate: 3°C/5min. (5.4°F/5min.)

Operating humidity range: 95%, noncondensing

Power supply: Universal worldwide voltage
85-245VAC
50/60Hz

Certifications: Complies with the following EC Directives: 93/68/EEC CE Marking; 2004/108/EC ELECTRICAL EQUIPMENT; 1999/5/EC R&TTE Directive; 2002/95/EC – RoHS ▪ Conforms to the following standards: EN 61010-1:2001 / CSA-C22.2 No. 61010-1; EN 61326-1:2006; IEC 60825-1:2007; FDA (CDRH) 21 CFR 1040.10 / ANSI Z136.1-2007; IEEE 802.11 b/g; FCC Part 15 Subpart C / IC RSS-210 and ESTI EN 300/301 (WLAN and Bluetooth) ▪ Pat. 5402582, 5611147, 5794356, 6366831, 6606539, 6904691, 6925722, 6935036, 6973734, 6988322, 7017275, 7032321, 7043847, 7051450, 7069664, 7269910, 7735234, 7784194, 7804602, 7881896, RE42055, RE42082

FARO offers optional VDI/VDE 2617-9 certification for an additional charge. Please ask your sales representative for details.

ISO 9001 BUREAU VERITAS Certification

ANAB ACCREDITED

GSA Contract Holder

Global Offices: Australia ▪ Brazil ▪ China ▪ France ▪ Germany
India ▪ Italy ▪ Japan ▪ Malaysia ▪ Mexico ▪ Netherlands
Philippines ▪ Poland ▪ Portugal ▪ Singapore ▪ Spain ▪ Switzerland
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