

Manchester Metrology LTD

Portable Measurement Solutions

www.manchester-metrology.co.uk

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, WiFi, 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

Features

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



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.



Manchester Metrology Ltd
 Greenside Trading Centre
 Greenside Lane
 Droylsden
 Manchester
 M43 7AJ

Tel: 0161 637 8744
 Fax: 0161 925 0944
 info@manchester-metrology.com