

FARO PowerGAGE



[A] 1,2m (48") Working Volume

Ideal for all your small parts, molds and assemblies

[B] Temperature & Overload Sensors

Allow the Gage to "feel" and react to thermal variations and improper handling for maximum accuracy

[C] Internal Counterbalancing

Allows the user to move fatigue-free FARO Gage easily with one hand

[D] Multi-Probe Capability

Including various Ball Diameters, Touch-Sensitive, Curved, and Extensions

[E] Extended-Use Battery

Optional — Provides true "measure anywhere" capability

[F] Universal 3.5" Quick Mount

Mounting on granite or metal surfaces offers "mount-it-to-where-you-make-it" convenience and less downtime

Measure it Where You Make it!

Bringing new power to in-process inspection and CAD-to-part verification, the PowerGAGE includes a high-powered, easy-to-use programmer module, no-train "player" module, and extremely accurate 4-foot measurement arm. Program it once and you're done, even directly use CAD data for nominal. It was designed by and for machinists to speed through measurement challenges and produce the most accurate results available. Shop-hardened and temperaturecompensated, it allows anyone, anywhere to measure in 3-D with previously unheard of precision.

Most Common Applications

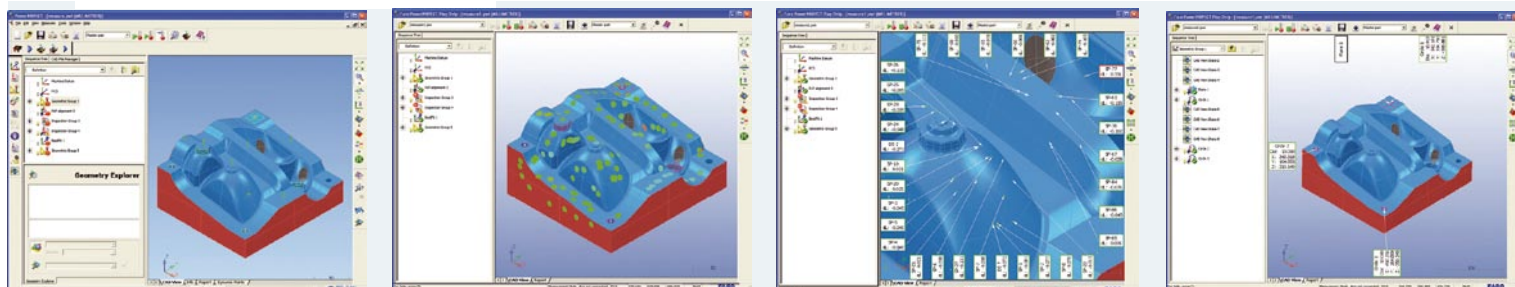
- Aerospace:** Repair & Refit
- Tool & Die:** Master Molds, Tool Setup
- Automotive:** Body in White, Functional Build
- Castings & Moldmaking:** Pre-Cast Mold, Composite Tooling

Features

- ▶ HIGH accuracy, LOW price
- ▶ Write On-Machine Inspection Routines
- ▶ Mount and measure parts in process
- ▶ Up to .005 mm (.0002") Accuracy
- ▶ Perform CAD-to-part Analysis

FARO PowerGAGE

Applications



On-Screen Measurement Guidance

PowerINSPECT Programmer

- A stand-alone CAD based software for creating inspection programmes for the PowerGAGE.
- CAD import - All major industry CAD formats supported
- Builds complete manual inspection sequence offline
 - Surface inspection against CAD
 - Full suite of Geometric inspection tools
 - Auto view orientation in the sequence tree
 - Instructions, images and videos in the sequence tree
- Built-in customisable reporting

Instant data from multi-config reporting

FARO PowerINSPECT Play Only

- A simple software designed to be used by anyone in your organization. Runs with the Gage to execute inspection programs created by the PowerINSPECT Programmer
- Very simple user interface — easy to learn and use
 - Training — 2 hours
 - Can generate graphical and textual inspection reports
 - Multiple-part measurement with one button press
 - Saves all inspection data in original file, ready for offline analysis

Performance Specifications

Model	Measuring Volume	ISO 10360-2	
		E (µm)	R (µm)
PowerGAGE	1200 mm (48") sphere	5+8L/1000	6

B89 Specification based upon testing as outlined by ISO 10360-1 Standards. ISO Specification based upon testing as outlined by ISO 10360-3 Standards.

Hardware Specifications

- Operating Temp range:** 10°C to 40°C (50°F to 104°F)
- Temperature Delta:** 3°C/5min. (5.4°F/5min.)
- Humidity:** 95%, noncondensing
- Calibration Lifecycle:** Permanent
- Power Supply:** Universal worldwide voltage
 - 85-245VAC,
 - 50/60 Hz

- Certifications:** 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**

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