

FEATHER **PROBE**



Micro-Touch Probe Technology

Micro-probing for miniature features

Measure the sides and bottoms of the smallest features with Feather Probe™. Miniature styli reach surfaces inaccessible to touch trigger probes - with no back-off requirement.

Feather Probe from OGP® uses a proprietary sensing technology to determine when its small stylus (as small as 0.125 mm diameter) has contacted a surface. The technique is so sensitive that, depending on the stylus used, a data point in XYZ space can be acquired with less than a milligram of force. There is no mechanical switch to trigger. The probe's small size and sensitivity make it perfect for measuring micro-miniature components and parts that can be deformed by traditional touch probes.

Feather Probe can be used at any point in a measurement routine. Use video for a series of part features, switch to Feather Probe for critical measurements, and continue with other sensors. Benefit from enhanced measurement capability and higher throughput when compared to dedicated, single-sensor measurement systems.

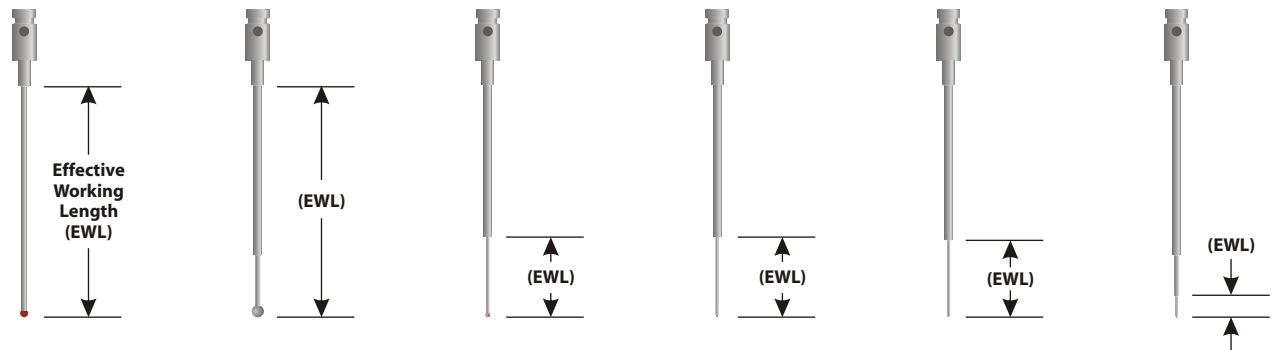
Feather Probe is available as an option for selected OGP measurement systems, and can be adapted to others. It is available with a range of stylus sizes. MeasureMind® 3D MultiSensor metrology software easily incorporates Feather Probe data with that of other sensors to provide a single model containing three dimensional measurement results. This multisensor functionality increases productivity and reduces total costs.

Feather Probe extends and enhances a metrology system's multisensor measurement capabilities.



■ Standard ■ Optional

- **Standard configuration:** Includes probe, interface box, 1.0 mm ruby-tipped stylus with 30 mm effective working length (EWL) and <10 mg touch trigger force, storage box, stylus/probe wrenches, and deployment mechanism (on select systems); requires touch probe adapter package (includes mounting hardware, calibration artifact, software) and PI200 interface box



■ **Optional styli:**

Tip	Ruby	Teflon, "soft"	Ruby	Ruby	Stainless Steel	Ruby
Tip Dia	1 mm	1.6 mm	0.6 mm	0.3 mm	0.125 mm	0.127 mm
EWL	30 mm	30 mm	10.6 mm	10.6 mm	10 mm	2.5 mm
Trigger Force	< 10 mg	< 10 mg	< 10 mg	< 10 mg	< 1 mg	< 2 mg

- **Custom styli:** Available upon request

- **Measurement software compatibility:** Compatible with MeasureMind® 3D MultiSensor; see software data sheet for additional details

- **Measurement system compatibility:** Compatible with properly configured SmartScope® ZIP, Quest™, and Flash™

- **XYZ frame of reference:** Freely interchange Feather Probe and other sensor data within same measurement routine

- **Deployability:** Deployable under system control on select systems



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Multisensor Metrology

World Headquarters and Technology Center: 850 Hudson Avenue • Rochester, NY 14621 USA • Tel 585.544.0400 • Fax 585.544.8092
Western USA Regional Office: 615 South Madison Drive • Tempe, AZ 85281 USA • Tel 480.889.9056 • Fax 480.889.9059
OGP Shanghai Co, Ltd: 17 Lane 593 • East Jin An Rd • Pu Dong New District • Shanghai, China 201204 • Tel 86.21.5045.8383/8989 • Fax 86.21.6845.8800
OGP Messtechnik GmbH: Nassaustr. 11 • 65719 Hofheim-Wallau, Germany • Tel 49.6122.9968.0 • Fax 49.6122.9968.20
Optical Gaging (S) Pte Ltd: 21 Tannery Road, 347733 Singapore • Tel 65.6741.8880 • Fax 65.6846.8998
Internet: www.ogpnet.com • info@ogpnet.com