



CDI Precision Measurement Team and Mahr proudly present
the 5-Micron Pocketsurf IV.

Mahr Order Number 2191802



Mahr 5-Micron Pocket Surf IV In Stock at CDI

Description

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Why a 5 Micron Probe Tip vs. a 10 Micron Probe Tip?

For surface testing applications requiring a 20 Ra or less, Mahr will always recommend the 5 micron ("It's a sharper tip"). It's important to decide which radii for the diamond stylus that is used on the probe itself. Basically, there are three different radii that are commonly available today: 2µm/80µ", 5µm/0.0002" or 10µm/0.0004", all on a 90° conical cone.

In Europe and throughout much of the world, the 2µm/80µ" probe is the most common. In the U.S., many applications call for the 5µm/0.0002" probe, although for rougher surfaces a 10µm/0.0004" probe may also be specified. Probe radius is a big determinant of contact force.

The smaller the radius of the probe, the lighter gaging force required. Too much probe force with a small radius probe can scratch the surface. For a 2µm/80µ" probe, a 0.7mN force is typically used. For a 5µm/0.0002" or a 10µm/0.0004" radius, a 15mN force is standard.

Part# 2191802 / with 5 Micron Probe

**2191802 – POCKET SURF 4 WITH CERTIFIED REFERENCE SPECIMEN & EGH-1026
Only \$2,379 (LOWEST PRICE ONLINE!)**

In Stock!!

BUY NOW At CDI

5-Micron Pocket Surf IV Features

- Sturdy housing made of cast aluminum guarantees accurate and reliable measurement operation over many years
- Measurement of four selectable parameters: Ra, Rmax/Ry, Rz
- Reading of all the parameters after the measurement is completed
- Measuring length adjustable based on 1x, 3x or 5x the cutoff wavelength 0.8 mm/0.030"
- Can be implemented in any position – horizontal, vertical and upside down
- Four locking probe positions – axial or at 90°, 180°, or 270° angle
- Even difficult to reach surfaces on the inner and outer diameters are accessible
- MarConnect data output for simple data transmission, compatible with standard data recording systems
- Easy to read LCD displays the measured roughness parameters in µm or inch immediately after scanning the surface
- Messages indicating when ranges exceed or fall below a limit and a battery warning symbol are also displayed
- Simplified calibration process
- Improved battery life with easy to replace 9V battery

Watch the Pocket Surf IV Video



Also On Sale: Part# 2191800 / 10 Micron Probe

2191800 – POCKET SURF 4 WITH CERTIFIED REFERENCE SPECIMEN & EGH-1019
\$1,998.00 / Order Today, It Ships Today!

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About Component Distributors, Inc. (CDI)

Component Distributors, Inc. (CDI) is a value-added distributor of Precision Gaging and Metrology Solutions, and Position Feedback Sensors. CDI distributes globally and provides local application support and customer service across the Americas.

About Mahr

Technical innovation and quality-oriented thinking are the core competencies of successful businesses. Both competencies are not possible without metrology. Measurement instruments verify research and development results and document product quality. Without continuous advancement of metrology there would be no technical progress. **Mahr** offers a wide range of measuring

Category

1. Ewave
2. Mahr, Inc
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Author

cdiwebadmin

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