

Mahr 5-Micron Pocket Surf IV In Stock at CDI

Description

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

Mahr Order Number 2191802



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 (â€œItâ€™s a sharper tipâ€•). Itâ€™s important to decide which radii for the diamond stylus that is used probe itself. Basically, there are three different radii that are commonly available today: 2Âµm/80Âµâ€•, 5Âµm/0.0002â€³ or 10Âµm/0.0004â€³, all on a 90Ëš conical cone.

In Europe and throughout much of the world, the 2Âµm/80Âµâ€• probe is the most common. In the U.S., applications call for the 5Âµm/0.0002â€³ probe, although for rougher surfaces a 10Âµm/0.0004â€³ probe 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 probe can scratch the surface. For a 2Âµm/80Âµâ€• probe, a 0.7mN force is typically used. For a 5Âµm/0.0002â€³ or a 10Âµm/0.0004â€³ radius, a 15mN force is standard.

Part# 2191802 / with 5 Micron Probe

2191802 â€“ 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 o 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/0.030â€œ
- Can be implemented in any position â€“ horizontal, vertical and upside down
- Four locking probe positions â€“ axial or at 90Â°, 180Â°, or 270Â° 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 sys
- Easy to read LCD displays the measured roughness parameters in ?m or ?inch immediately after s the surface
- Messages indicating when ranges exceed or fall below a limit and a battery warning symbol are als displayed
- Simplified calibration process
- Improved battery life with easy to replace 9V battery

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Watch the Pocket Surf IV Video



Also On Sale: Part# 2191800 / 10 Micron Probe

2191800 â€“ POCKET SURF 4 WITH CERTIFIED REFERENCE SPECIMEN & EGH-1019
$1,998.00 / Order Today, It Ships Today!
BUY NOW At CDI

About Component Distributors, Inc. (CDI)

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

About Mahr

Technical innovation and quality-oriented thinking are the core competencies of successful businesses. competencies are not possible without metrology. Measurement instruments verify research and develop results and document product quality. Without continuous advancement of metrology there would be no progress. **Mahr** offers a wide range of measuring instruments to solve your specific measuring task. Con yourself!

Category

1. Ewave
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Date Created
June 12, 2023
Author
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