

Ultra-precise probing made easy

The MH-B Series High-Resolution Micropositioners are precision built and thoroughly tested to exacting requirements. They provide the ultra-precise control needed for submicron probing. With the series' orthogonal probe holder you can set up the micropositioner to have consistent orthogonal movement in relation to the streets or rows of the device being probed.



Innovating Test
Technologies

Features

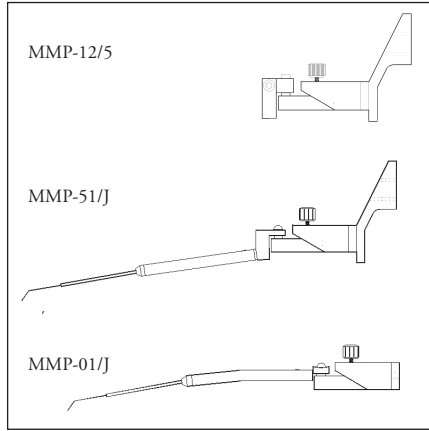
- Submicron resolution: resolves to less than 1 μm
- True linear x, y, z, motion for ultra-precise probe-tip placement
- Precision ball-bearing slides guarantees ultra-smooth movement with zero backlash
- Large base provides stability for submicron probing
- Full 1.27 cm (1/2 in.) excursion in the x, y axes; 0.63 cm (1/4 in.) z-axis
- Soft stainless-steel probe holder enables micropositioners to adapt to a variety of test situations
- Available in right and left-hand configurations with vacuum or magnetic bases
- Active or coaxial probes for low-level or high-frequency measurements
- All axis captured
- Torque-controlled movement

Specifications

Resolution: <1 μm
 Dimensions (with probe holder/tip):
 MH2-B
 H = 9.27 cm (3.65 in.)
 W = 6.35 cm (2.5 in.)
 L = 22.23 cm (8.75 in.)
 MH4-B
 H = 13.08 cm (5.15 in.)
 W = 10.16 cm (4 in.)
 L = 27.31 cm (10.75 in.)

Ordering Information

MH2-B Series Manual Micropositioner with 100 TPI . . . *MH2-B/XY*
 MH4-B Series Manual Micropositioner with Micrometer Drive.
 *MH4-B/XY*
 X = Station Position
 L = Lefthand
 R = Righthand
 Y = Base
 M = Magnetic Base
 V = Vacuum Base



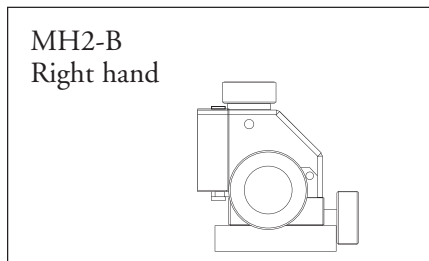
A probe mount and arm must be selected and ordered from the list below to complete the micropositioner as shown on front. A probe tip is also needed.

MH-B Probe Mounts and Arms for REL-3200 and REL-4100 Stations

Standard Probe Mount and Jack Lock Probe Holder . . . *MMP-01/J*
 Standard Probe Mount, Quick Lock Probe Holder *MMP-01/Q*
 Standard Probe Mount, Wrench Lock Probe Holder . . . *MMP-01/W*
 Coaxial Probe *PE5-02*
 Triaxial Probe *PE5-32*
 Pico Probe Mount *MMP-12*

MH-B Probe Mounts and Arms for REL-48XX, 5500, 61XX Stations

Probe Arm Assembly, Jack Lock Probe Holder. *MMP-51/J*
 Probe Arm Assembly, Quick Lock Probe Holder *MMP-51/Q*
 Probe Arm Assembly and Wrench Lock Probe Holder . . *MMP-51/W*



Standard drive

Coaxial Probe *PE5-02/5*
 Triaxial Probe. *PE5-32/5*
 Pico Probe Mount *MMP-12/5*

MH-B Probe Mounts and Arms for older Alessi stations

90° Down Probe Mount, Jack Lock Probe Holder *MMP-05/J*

90° Down Probe Mount, Wrench Lock Probe Holder. *MMP-05/W*

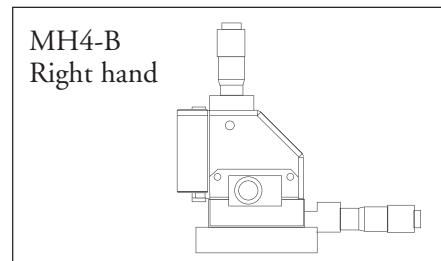
Probe Tips

General Purpose Tungsten		
Radii	Straight	45° Bend
0.6 μm	PTT-06-25	PTT-06/4-25
1.2 μm	PTT-12-25	PTT-12/4-25
2.4 μm	PTT-24-25	PTT-24/4-25
12 μm	PTT-120-25	PTT-120/4-25
25 μm	PTT-250-25	PTT-250/4-25
Specialty Probes		
Radii	Part #	Description
0.07 μm	PTT-70-25	Catwisker
2.4 μm	PTT-24-25	Osmium
1,2 μm	PTT-12-25	Carbide

Box of 25 needles

For More Information

See the *Alessi Configuration Guide* for more information on configuring your system.



Micrometer drive



Innovating Test Technologies for better measurements faster

Cascade Microtech, Inc., 2430 NW 206th Avenue, Beaverton, Oregon 97006, USA
 Toll Free: 1-800-550-3279
 Phone: 503-601-1000 Fax: 503-601-1002
 Europe: +44 1295-812828 Japan: 03-5478-6100
 Email: sales@cmicro.com www.cascademicrotech.com

Copyright © 2000 Cascade Microtech, Inc. The Cascade Microtech logo is the trademark of Cascade Microtech, Inc. All other trademarks are the property of their respective owners. All specifications subject to change.



Agilent Technologies
 Innovating the HP Way

Channel Partner

MHDS-1200
 Data subject to change without notice