



## DCM-100 Series Micropositioner Technical and Ordering Information

See It. Touch It.  
Measure It.®

### Accurate, Quick and Easy Probe Positioning



DCM-100 Series Micropositioners have the critical advantage of offering no backlash movement in all three axes making probe-tip positioning quick and easy.

The DCM-100 Series Micropositioners, offering linear, no backlash movement in all three axes, makes probe-tip positioning quick and easy. Accurate submicron probing is possible with the patented dovetail mechanism. The drives are isolated from dovetail motions for precise positioning and easy access to drive controls. Adjustable probe pressure allows damage-free probing or line scribing. Spring-loaded pivots permit continuously adjustable pressure setting from 2 grams to a fully fixed mount.

#### Features

- True linear x, y, z, motion for ultra-precise probe-tip placement
- Zero backlash: Hand-lapped dovetails combined with precision lead-screw mechanisms facilitates accurate positioning
- 1/2 in. excursion: The DCM-100 series micropositioners offer a full 1.27 cm (1/2 in.) excursion in the x, y, and z axes
- Versatile: soft stainless-steel probe holder enables micropositioners to adapt to a variety of test situations
- Operator engineered, available in right and left-hand configuration
- Active or coaxial probes for low-level and high frequency measurements

#### Specifications

Resolution: 3  $\mu$ m

Dimensions (with probe holder/tip):

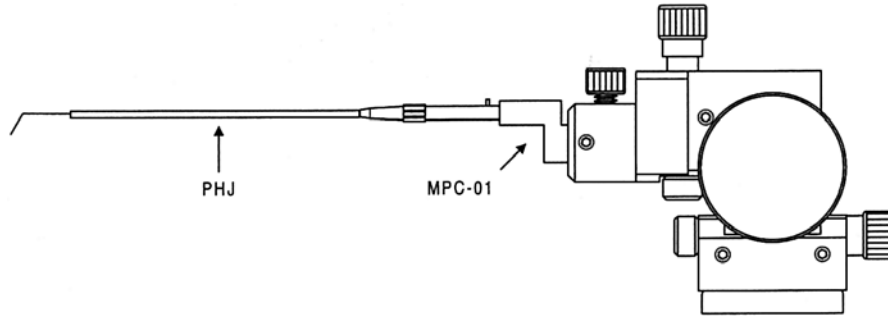
7.87 cm (3.1 in.) H x 4.32 cm (1.7 in.) W x 13.46 cm (5.3 in.) L

## Ordering Information

| Description   | Part Number  |
|---|--|
| DCM-100 Series Magnetic Manual Micropositioner – Standard probe mount (MPC-01) and probe holder (PHJ) included<br>Note: A probe tip is required | DCM-100-X<br><i>X = Station position:<br/>L = Lefthand<br/>R = Righthand</i> |
| <b>Additional DCM-100 Probe Mounts</b>  |  |
| 90° Down probe mount and PHJ/DL jack lock probe holder – Includes MAE-44/18 45.72 cm (18 in.) electrical jump wire                              | MPC-05   |
| Pico probe mount  | MPC-12   |
| Coaxial probe mount   | PE5-01   |
| <b>Additional DCM-100 Probe Holders</b>   |  |
| Jack lock probe holder  | PHJ  |
| Jack lock probe holder for MPC-05   | PHJ/DL   |
| Quick lock probe holder   | PHQ  |
| Wrench lock probe holder  | PHW  |
| Wrench lock probe holder for MPC-05   | PHW/DL   |

| Probe Tips               |              |              |
|--------------------------|--------------|--------------|
| General Purpose Tungsten |              |              |
|                          | Part Numbers |              |
| 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         |              |              |
|                          | Description  | Part Number  |
| Radii                    |              |              |
| 0.07 µm                  | Cat whisker  | PTT-70-25    |
| 2.4 µm                   | Osmium       | PTT-24-25    |
| 1.2 µm                   | Carbide      | PTT-12-25    |

(Box of 25 needles)



Cascade Microtech, Inc.  
 2430 NW 206th Ave., Beaverton, Oregon 97006, USA  
 Toll Free: +1-800-550-3279 Phone: +1-503-601-1000  
 China: +86-21-3330-3188 Germany: +49-811-60005-0  
 Japan: +81-3-5615-5150 Singapore: +65-6873-7482  
 Taiwan: +886-3-5722810 UK: +44-1926-403900  
 Email: sales@cmicro.com <http://www.cascademicrotech.com>  
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