

## **MX 800**

RESEARCH BIOLOGICAL MICROSCOPES



## MX 800 / MX 800 (L) | Research biological microscopes

- Binocular/trinocular head Siedentopf type, 360° rotatable, 30° inclined
- Revolving nosepiece for 5 objectives
- Coaxial coarse and calibrated fine focus control
- 4 objectives Plan Achromat ICO Infinite: 4x/0.10, 10x/0.25, 40x/0.65, 100x/1.25 (oil)
- Wide field eyepieces 10x/20 mm
- Halogen illumination, LED illumination
- Abbe condenser nA 0.9 / 0.25
- Stage 185x142 mm with specimen holder for 2 slides



## MX 800 (TS) | Research biological microscope

- Ergonomic trinocular head adjustable inclination 5–35°
- Photo/video block with beam splitter 80/20 for mounting of digital camera or video camera
- Revolving nosepiece for 6 objectives
- Coaxial coarse and calibrated fine focus control
- 5 objectives Plan Achromat ICO Infinite: 4x/0.10, 10x/0.25, 20x/0.40, 40x/0.65, 100x/1.25 (oil)
- Wide field eyepieces 10x/22 mm
- Halogen illuminator 24 V, 100 W
- Abbe condenser nA 0.9 / 0.25
- Stage 243x158 mm with specimen holder for 2 slides

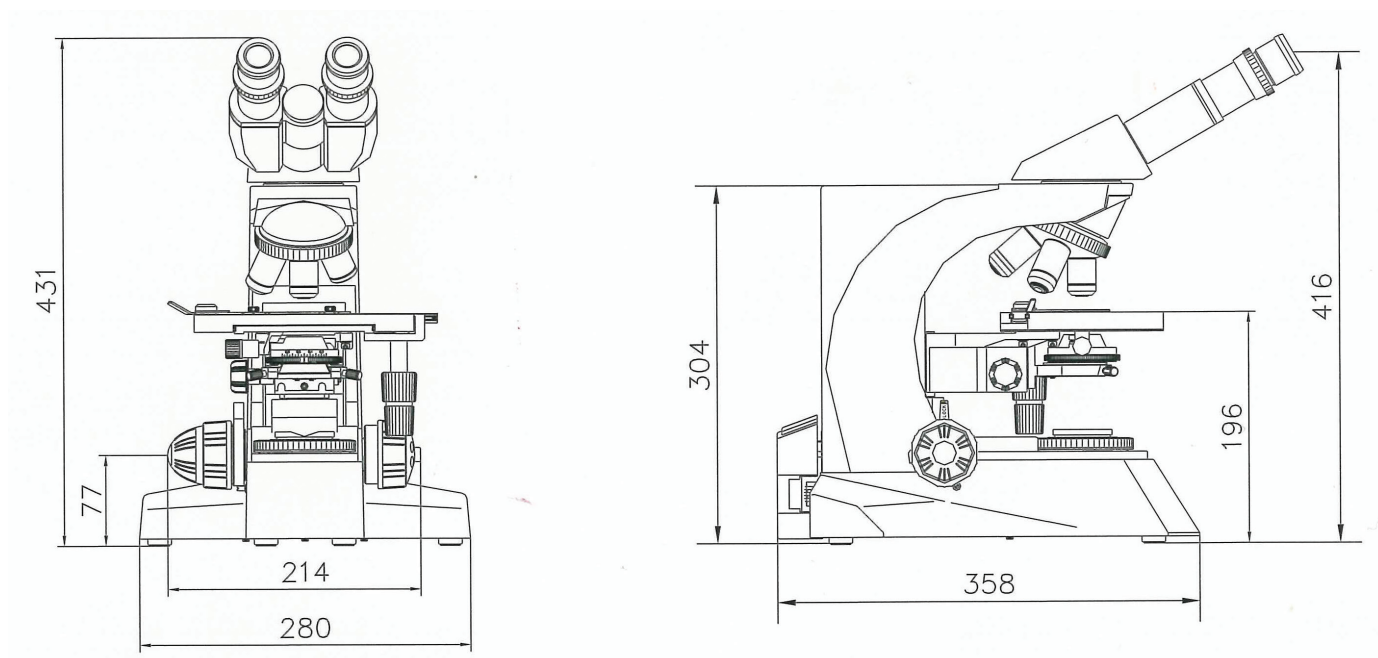


### Ordering information

| Description                                  | Code       |
|----------------------------------------------|------------|
| Binocular biological microscope MX 800       | 09.0800.02 |
| Trinocular biological microscope MX 800 (T)  | 09.0800.03 |
| Binocular biological microscope MX 800 (L)   | 09.0801.02 |
| Trinocular biological microscope MX 800 (TL) | 09.0801.03 |
| Trinocular biological microscope MX 800 (TS) | 09.0802.03 |

## Specification

|                       |                                                                                            | MX<br>800 | MX<br>800 (L) | MX<br>800 (T) | MX<br>800 (TL) | MX<br>800 (TS) |
|-----------------------|--------------------------------------------------------------------------------------------|-----------|---------------|---------------|----------------|----------------|
| <b>Viewing head</b>   | binocular head, 360° rotatable, 30° inclined, distance 48–75 mm                            | •         | •             |               |                |                |
|                       | trinocular head, 360° rotatable, 30° inclined, distance 48–75 mm                           |           |               | •             | •              |                |
|                       | ergonomic trinocular tube adjustable inclination 5–35°, distance 48–75 mm                  |           |               |               |                | •              |
| <b>Eyepiece</b>       | EW 10x/20 mm, widefield                                                                    | •         | •             | •             | •              |                |
|                       | EW 10x/22 mm, widefield                                                                    |           |               |               |                | •              |
| <b>Nosepiece</b>      | quintuple reverse-angle                                                                    | •         | •             | •             | •              |                |
|                       | sextuple reverse-angle                                                                     |           |               |               |                | •              |
| <b>Objectives</b>     | Plan Achromat: 4x/0.10, 10x/0.25, 40x/0.65 (spring loaded), 100x/1.25 (spring loaded, oil) | •         | •             | •             | •              | •              |
|                       | Plan Achromat: 20x/0.40 (spring loaded)                                                    |           |               |               |                | •              |
| <b>Stage</b>          | double layer mechanical specimen stage 185x142 mm with specimen holder for 2 slides        | •         | •             | •             | •              |                |
|                       | double layer mechanical specimen stage 243x158 mm with specimen holder for 2 slides        |           |               |               |                | •              |
| <b>Abbe condenser</b> | height adjustable, nA 0.9 / 0.25, with integrated iris diaphragm and filter tray           | •         | •             | •             | •              | •              |
| <b>Light source</b>   | halogen bulb, 6 V, 30 W                                                                    | •         |               | •             |                |                |
|                       | LED, 5 W                                                                                   |           | •             |               | •              |                |
|                       | halogen bulb, 24 V, 100 W                                                                  |           |               |               |                | •              |





## Ordering information

| Viewing heads                                                                                            | Code       |
|----------------------------------------------------------------------------------------------------------|------------|
| Compensation binocular head                                                                              | 09.0001.22 |
| Compensation trinocular head                                                                             | 09.0001.23 |
| Compensation trinocular head for fluorescence                                                            | 09.0001.24 |
| Ergonomic compensation binocular head                                                                    | 09.0001.25 |
| Photo/video block with beam splitter 80/20 for mounting of digital camera                                | 09.0001.26 |
| Eyepieces                                                                                                |            |
| EW 10x/20, wide field                                                                                    | 09.0002.81 |
| EW 10x/22, wide field                                                                                    | 09.0002.82 |
| EW 15x/16, wide field                                                                                    | 09.0002.83 |
| EW 20x/12, wide field                                                                                    | 09.0002.84 |
| Objectives (ICO Infinite)                                                                                |            |
| Plan Achromat 4x/0.10                                                                                    | 09.0003.81 |
| Plan Achromat 10x/0.25                                                                                   | 09.0003.82 |
| Plan Achromat 20x/0.40, spring-loaded                                                                    | 09.0003.83 |
| Plan Achromat 40x/0.65, spring-loaded                                                                    | 09.0003.84 |
| Plan Achromat 60x/0.80, spring-loaded                                                                    | 09.0003.85 |
| Plan Achromat 100x/1.25, spring-loaded, for oil immersion                                                | 09.0003.86 |
| Objectives for fluorescence (ICO Infinite)                                                               |            |
| Plan Infinite for Fluorescence 4x/0.10                                                                   | 09.0003.91 |
| Plan Infinite for Fluorescence 10x/0.25                                                                  | 09.0003.92 |
| Plan Infinite for Fluorescence 20x/0.40, spring-loaded                                                   | 09.0003.93 |
| Plan Infinite for Fluorescence 40x/0.65, spring-loaded                                                   | 09.0003.94 |
| Plan Infinite for Fluorescence 100x/1.25, spring-loaded, for oil immersion                               | 09.0003.95 |
| Objectives for dark field (ICO Infinite)                                                                 |            |
| Plan Achromat 100x/1.25, spring-loaded, for oil immersion                                                | 09.0003.96 |
| Object-micrometer                                                                                        |            |
| Object-micrometer 0.01 mm                                                                                | 09.0007.01 |
| Condensers                                                                                               |            |
| Abbe bright field condenser, nA 0.9 / 0.25 with swing-out lens, built-in iris diaphragm and filter frame | 09.0007.81 |
| Dry dark field condenser, nA 0.9                                                                         | 09.0007.82 |
| Oil dark field condenser, nA 0.9                                                                         | 09.0007.83 |
| Polarizing set                                                                                           |            |
| Polarization set. Includes polarizer and analyzer                                                        | 09.0008.01 |
| Phase-contrast kit ICO Infinite                                                                          |            |
| Turret phase-contrast kit                                                                                | 09.0008.02 |
| Fluorescence (luminescence)                                                                              |            |
| Fluorescence 6-position set. Includes filter set Blue and filter set Green                               | 09.0008.83 |
| Additional filter set Blue one BP460~495/DM505/BA510-550                                                 | 09.0008.84 |
| Additional filter set Ultraviolet BP330~385/DM400/BA420                                                  | 09.0008.85 |
| Additional filter set Violet BP400~410/DM455/BA455                                                       | 09.0008.86 |
| HBO 100 W burner                                                                                         | 09.0005.85 |
| Neutral filter ND25/ND6                                                                                  | 09.0004.85 |
| LED fluorescence (luminescence)                                                                          |            |
| Fluorescence set with LED illumination (Blue)                                                            | 09.0008.87 |
| Fluorescence set with LED illumination (Green)                                                           | 09.0008.88 |
| Mechanical stages                                                                                        |            |
| Mechanical stages 185x142 mm with specimen holder for 2 slides                                           | 09.0007.84 |
| Mechanical stages 243x158 mm with specimen holder for 2 slides                                           | 09.0007.85 |
| Filters                                                                                                  |            |
| Blue filter                                                                                              | 09.0004.81 |
| Green filter                                                                                             | 09.0004.82 |
| LED and bulbs                                                                                            |            |
| LED element 5 W with board                                                                               | 09.0005.81 |
| Halogen bulb 6 V, 30 W                                                                                   | 09.0005.82 |
| Halogen bulb 24 V, 100 W                                                                                 | 09.0005.83 |
| C-mount adapters                                                                                         |            |
| Video adapter 0.5x                                                                                       | 09.0006.05 |
| Video adapter 1x                                                                                         | 09.0006.06 |



## MX 800 | Multi-user microscopes

- Allow people to observe specimen at the same time
- For clinical labs, research and life-science labs and teaching demonstration



MX 800 (T2)



MX 800 (T3)



MX 800 (T5)



MX 800 (T3) with digital camera, monitor or PC

| Specification          |                                                                                            |               |               |               |
|------------------------|--------------------------------------------------------------------------------------------|---------------|---------------|---------------|
|                        |                                                                                            | MX<br>800 / 2 | MX<br>800 / 3 | MX<br>800 / 5 |
| <b>Viewing head</b>    | binocular head, 360° rotatable, 30° inclined, distance 48–75 mm                            | 1 pc.         | 2 pcs.        | 4 pcs.        |
|                        | trinocular head, 360° rotatable, 30° inclined, distance 48–75 mm                           | 1 pc.         | 1 pc.         | 1 pc.         |
| <b>Eyepiece</b>        | EW 10x/20 mm, widefield                                                                    | 4 pcs.        | 6 pcs.        | 10 pcs.       |
| <b>Nosepiece</b>       | quintuple reverse-angle                                                                    | •             | •             | •             |
| <b>Objectives</b>      | Plan Achromat: 4x/0.10, 10x/0.25, 40x/0.65 (spring loaded), 100x/1.25 (spring loaded, oil) | •             | •             | •             |
| <b>Stage</b>           | double layer mechanical specimen stage 185x142 mm with specimen holder for 2 slides        | •             | •             | •             |
| <b>Abbe condenser</b>  | height adjustable, nA 0.9 / 0.25, with integrated iris diaphragm and filter tray           | •             | •             | •             |
| <b>Light source</b>    | halogen bulb, 24 V, 100 W                                                                  | •             | •             | •             |
|                        | LED, 5 W                                                                                   | ○             | ○             | ○             |
| <b>LED pointer</b>     | green                                                                                      | •             | •             | •             |
|                        | two color                                                                                  | ○             | ○             | ○             |
| <b>C-Mount adapter</b> | 0.5x video adapter                                                                         | ○             | ○             | ○             |
|                        | 1x video adapter                                                                           | ○             | ○             | ○             |

• — standard set, ○ — optional

| Ordering information                                                |            |
|---------------------------------------------------------------------|------------|
| Description                                                         | Code       |
| MX 800 (T2) multi-user trinocular microscope. Version for 2 viewers | 80.0800.23 |
| MX 800 (T3) multi-user trinocular microscope. Version for 3 viewers | 80.0800.33 |
| MX 800 (T5) multi-user trinocular microscope. Version for 5 viewers | 80.0800.53 |



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We reserve the right to change specification without notice.

Official Distributor

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