

Type:  
M-400-series

## Biological Microscope






High transmission optical system, combined base and ergonomic design, Wide range of accessories make it an ideal instrument for biology, bacteriology, histology, immunology and pharmacology.

### Features:

- Comfortable operation with ergonomic structure
- High quality optical system supply clear and sharp images
- Different configuration possibilities for optimal microscopy according to your application such like polarization set, Phase contrast kit, dark field attachment,
- Epi-fluorescent attachment and photography or video documentation sets.
- LED illumination, via halogen lamp or external Kohler illumination.
- Trinocular head and related imaging accessories allow a plug-in to PC and provide a digital display and analysis



Handle for easy carrying

|   |  |   |
|---|--|---|
|    |  |    |
| <p>Monocular, Binocular and Trinocular Heads available for different Requirements</p> | <p>comfortable observation with eye point and interpupillary adjustable</p>          | <p>more comfortable operation with low position CA and FA knob, low stage control and narrow base, köhler illumination can be adapted</p> |

|                 |   |
|-----------------|---|
| Viewing Head    | Compensation Free Binocular Head, Inclined at 30°, 360° Rotatable<br>Compensation Free Trinocular Head, Inclined at 30°, 360° Rotatable |
| Eyepiece        | Wide Field Eyepiece WF10x/ 18   |
|                 | Wide Field Eyepiece WF16x/ 11   |
| Objective       | Achromatic Objective 4x, 10x, 40x, 100x   |
|                 | Plan Achromatic Objective 4x, 10x, 40x, 100x  |
|                 | Achromatic Objective 20x, 60x   |
| Nosepiece       | Backward Quadruple Nosepiece  |
|                 | Backward Quintuple Nosepiece  |
| Stage           | Double Layers Mechanical Stage 140x140 mm / 75x50 mm  |
| Condenser       | NA 1.25 Abbe Condenser with Iris Diaphragm and Filter,<br>Rack and Pinion Adjustment  |
| Focusing system | Coaxial Coarse & Fine Adjustment System, Range 28mm,<br>Fine Division 0.002mm   |
| Illumination    | Halogen Lamp 6V/ 20W, Brightness Adjustable   |
|                 | S-LED Illumination, Brightness Adjustable   |
|                 | Köhler Illumination   |
| Voltage         | 220 V – 50/60 Hz  |
| Filter          | Green Filter  |
|                 | Blue Filter   |
|                 | standard optional   |

**Ordering information:**

| Article no. | Type      | Description   | Qty |
|-------------|-----------|---|-----|
| 0.408.847   | M-400/24  | Biological Binocular Microscope with halogen lamp<br>Achromatic Objective 4x, 10x, 40x, 100x                                      | set |
| 0.408.848   | M-400/25  | As above but with 5 revolver objective ( additional 20x )   | set |
| 0.408.849   | M-400/34  | Biological Trinocular Microscope with halogen lamp<br>Achromatic Objective 4x, 10x, 40x, 100x                                     | set |
| 0.408.850   | M-400/35  | As above but with 5 revolver objective ( additional 20x )   | set |
| 0.408.851   | M-400L/24 | Biological Binocular Microscope with S-LED Illumination<br>Achromatic Objective 4x, 10x, 40x, 100x                                | set |
| 0.408.852   | M-400L/25 | As above but with 5 revolver objective ( additional 20x )   | set |
| 0.408.853   | M-400L/34 | Biological Trinocular Microscope, S-LED Illumination<br>Achromatic Objective 4x, 10x, 40x, 100x                                   | set |
| 0.408.854   | M-400L/35 | As above but with 5 revolver objective ( additional 20x )   | set |
| 0.408.855   | M-400F/34 | Epi-fluorescent Trinocular Microscope with FL-YX2<br>Achromatic Objective 4x, 10x, 40x, 100x<br>Illumination: 6V/20W Halogen lamp | set |
| 0.408.856   | M-400F/35 | As above but with 5 revolver objective ( additional 20x )   | set |

**Accessories:**

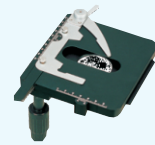
|              |   |     |
|--------------|---|-----|
| 0.408.833-8  | Köhler Illumination                     | set |
| 0.408.833-9  | Simple polarization set                 | set |
| 0.408.833-11 | Sliding Phase Contrast Kit              | set |
| 0.408.833-13 | Dark Field Condenser (Dry) NA 0.9       | set |
| 0.408.833-14 | Dark Field Condenser (Oil) NA 1.25-1.36 | set |

|   |   |  |
|---|---|--|
|  |  |  |
| Epi-Fluorescent Microscope with FL-YX2 attachment                                   | CCD – camera connect to TV / Monitor  | Digital / video camera connect to TV /PC   |

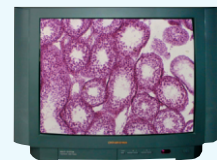
**Specifications:**



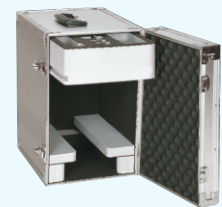
Higher contrast and sharper image with High quality objectives



XY- double layer stage



Monitor



Aluminium box

