Motic® Microscopes

Motic for Education
Your ultimate source of excellence

Motic combines consistency and quality to provide an excellent standard of viewing for microscopy. We have a wide choice of models for different requirements. All Motic microscopes are guaranteed for 5 years against manufacturer’s workmanship.
F11 series basic biological microscopes

A perfect tool for school applications
Special features:
- High quality DIN Achromatic standard optics
- Student proof features to minimize damage and loss of parts

Model F1110
- Monocular head, inclined 45° and 360° rotating
- Eyepiece: Widefield WF10x (FN18)
- Objective: Achromatic A4x/0.10, A10x/0.25, A40x/0.65 (spring)
- Nosepiece: Quadruple nosepiece
- Condenser: Built-in 0.65 condenser on stage
- Focusing: Separate coarse and fine focusing adjustment
- Diaphragm: Iris diaphragm with filter holder (632nm blue filter included)
- Illumination: Built-in halogen illumination 12V/10W main supply
- 220-240V VDE plug CE

Model F1115
- Monocular head, inclined 45° and 360° rotating
- Eyepiece: Widefield WF10x (FN18)
- Objective: Achromatic A4x/0.10, A10x/0.25, A40x/0.65 (spring)
- Nosepiece: Quadruple nosepiece
- Condenser: Focusable 1.25 abbe condenser
- Focusing: Separate coarse and fine focusing adjustment
- Diaphragm: Iris diaphragm with filter holder (632nm blue filter included)
- Illumination: Built-in halogen illumination 12V/10W main supply
- 220-240V VDE plug CE

Optional Accessories

Model F1125
- Dual view head, 360° rotating
- Eyepiece: Widefield WF10x (FN18) (paired)
- Objective: Achromatic A4x/0.10, A10x/0.25, A40x/0.65 (spring)
- Nosepiece: Quadruple nosepiece
- Condenser: Focusable 1.25 Abbe condenser
- Focusing: Separate coarse and fine focusing adjustment
- Diaphragm: Iris diaphragm with filter holder (632nm blue filter included)
- Illumination: Built-in halogen illumination 12V/10W main supply
- 220-240V VDE plug CE

Photo and CCD Adapters
- 53.100.161 Photo adapter
- 53.100.182 CCD adapter

Spare Parts
- 53.100.201 Mechanical stage M5H-008
- 53.100.271 Polarizing equipment B201
- 53.100.203 Blue filter
- 53.100.204 Dust cover (Size B)
- 40mm plano-concave mirror and 40mm plano-concave mirror
- Plastic carrying case
- Wooden box (made in Spain)

Spare Bulbs
- 53.100.209 Halogen bulb 12V/10W
**Motic 18 and 28 series biological microscopes**

**Combination of a traditional microscope with modern design**

- Modern design on appearance
- Superb optical quality with new design in Achromatic objectives (the new EA objectives)
- Good quality illumination by 12V/20W halogen bulbs with dimmer
- Choice of simple stage version or a built in mechanical stage version
- Choice of simple coarse and fine separate focusing system or a NEW and reliable coaxial focusing system

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**Model 1801**
- Monocular head, inclined 45° and 360° rotating
- Eyepiece: Widefield WF10x (FN18)
- Objective: Achromatic EA 4x/0.10, EA10x/0.25, EA40x/0.65 (spring)
- Nosepiece: Quadruple nosepiece (ball bearing type)
- Condenser: Built-in 0.65 condenser on stage
- Focusing: Separate coarse and fine focusing adjustment
- Diaphragm: Iris diaphragm with filter holder (Ø32mm blue filter included)
- Illumination: Built-in halogen illumination 12V/20W with intensity control
- Main supply 230V VDE plug CE

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**Model 2801**
- Monocular head, inclined 45° and 360° rotating
- Eyepiece: Widefield WF10x (FN18)
- Objective: Achromatic EA 4x/0.10, EA10x/0.25, EA40x/0.65 (spring)
- Nosepiece: Quadruple nosepiece (ball bearing type)
- Condenser: Focussable 1.25 Abbe condenser (spiral mount type)
- Focusing: NEW coaxial coarse and fine focusing adjustment
- Diaphragm: Iris diaphragm with filter holder (Ø32mm blue filter included)
- Illumination: Built-in halogen illumination 12V/20W with intensity control
- Main supply 230V VDE plug CE

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**Model 1802**
- Monocular head, inclined 45° and 360° rotating
- Eyepiece: Widefield WF10x (FN18)
- Objective: Achromatic EA 4x/0.10, EA10x/0.25, EA40x/0.65 (spring)
- Nosepiece: Quadruple nosepiece (ball bearing type)
- Condenser: Focussable 1.25 Abbe condenser (spiral mount type)
- Focusing: Separate coarse and fine focusing adjustment
- Diaphragm: Iris diaphragm with filter holder (Ø32mm blue filter included)
- Stage: Built-in low position coaxial mechanical stage
- Illumination: Built-in halogen illumination 12V/20W with intensity control
- Main supply 230V VDE plug CE

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**Model 2802**
- Monocular head, inclined 45° and 360° rotating
- Eyepiece: Widefield WF10x (FN18)
- Objective: Achromatic EA 4x/0.10, EA10x/0.25, EA40x/0.65 (spring)
- Nosepiece: Quadruple nosepiece (ball bearing type)
- Condenser: Focussable 1.25 Abbe condenser (spiral mount type)
- Focusing: NEW coaxial coarse and fine focusing adjustment
- Diaphragm: Iris diaphragm with filter holder (Ø32mm blue filter included)
- Stage: Built-in low position coaxial mechanical stage
- Illumination: Built-in halogen illumination 12V/20W with intensity control
- Main supply 230V VDE plug CE
Motic 18 and 28 series biological microscopes

**Model 2820**

- Binocular, inclined 45° and 360° rotating
- Eyepiece: Widefield WF10x (FN 18, paired)
- Objective: Achromatic EA. 4x/0.10, EA10x/0.25, EA40x/0.65 (spring)
- Nosepiece: Quadruple nosepiece (ball bearing type)
- Condenser: Focussable 1.25 Abbe condenser (spiral mount type)
- Focusing: NEW Coaxial coarse and fine focusing adjustment
- Diaphragm: Iris diaphragm with filter holder (322mm blue filter included)
- Stage: Built in low position coaxial mechanical stage
- Illumination: Built-in halogen illumination 12V/20W with intensity control
- Main supply 230V VDE plug CE

Optional Accessories

- **Eyepieces**
  - 53.100.141: Huygens eyepiece 18mm / 10mm
  - 53.100.145: Widefield eyepiece WF10x / 10mm
- **Micrometer Eyepieces**
  - 12.180.142: Micrometric eyepiece WF10x / 18mm, 100 divisions in 10mm
  - 12.180.142-R: Reticle 18mm (for 18mm eyepiece), 100 divisions in 10mm
  - 12.180.142-H: Reticle holder
- **Achromatic Objectives (EA)**
  - 12.180.183: Achromatic objective 20x / 0.25
  - 12.180.185: Achromatic objective 40x / 0.65 / 5
  - 12.180.186: Achromatic objective 100x / 1.25 / 5-soil
- **Photo and CCD Adapters**
  - 53.100.181: Photo adapter
  - 53.100.162: CCD adapter
- **Spare Parts**
  - 12.180.235: Mechanical stage MSH-008A
  - 12.180.232: Mechanical stage MSH-010
  - 12.180.237: Polarizing equipment B20W
  - 53.100.253: Blue filter
  - 53.100.254: Dust cover (size B)
  - 12.180.256: Wooden box (made in Spain)
- **Spare Bulbs**
  - 12.180.236: Halogen bulb 12V/250W

Motic B1 series biological microscopes

Get a research-quality microscope at a very affordable price

**Model B1-211A**

- Monocular, inclined 45° and 360° rotating
- Eyepiece: Widefield WF10x (FN18)
- Objective: Plan achromatic PL.4x/0.10, achromatic A10x/0.25, A40x/0.65 (spring), A100x/1.25 (oil spring)
- Nosepiece: Quadruple nosepiece (ball bearing type)
- Condenser: Focussable 1.25 Abbe condenser (rack and pinion type)
- Focusing: Coaxial coarse and fine focusing adjustment
- Diaphragm: Iris diaphragm with filter holder (322mm blue filter included)
- Stage: Built in low position coaxial mechanical stage
- Illumination: Built in halogen illumination 12V/20W with intensity control
- Main supply 220-240V VDE Plug CE

**Model B1-220A**

- Monocular, inclined 45° and 360° rotating
- Eyepiece: Widefield WF10x (FN18) (paired)
- Objective: Plan achromatic PL.4x/0.10, achromatic A10x/0.25, A40x/0.65 (spring), A100x/1.25 (oil spring)
- Nosepiece: Quadruple nosepiece (ball bearing type)
- Condenser: Focussable 1.25 Abbe condenser (rack and pinion type)
- Focusing: Coaxial coarse and fine focusing adjustment
- Diaphragm: Iris diaphragm with filter holder (322mm blue filter included)
- Stage: Built in low position coaxial mechanical stage
- Illumination: Built in halogen illumination 12V/20W with intensity control
- Main supply 220-240V VDE Plug CE
Motic B1 series biological microscopes

Model B1-223A
Binocular head, inclined 45° and 360° rotating
Eyepiece: Widefield WF10x (FN18) (paired)
Objective: Plan achromatic PL4x (0.10), achromatic A10x (0.25), A40x (0.65 (spring), A100x (1.25 (oil), spring)
Nosepiece: Quadruple nosepiece (ball bearing type)
Condenser: Focusable 1.25 Abbe condenser (rack and pinion type)
Focusing: Coaxial coarse and fine focusing adjustment
Diaphragm: Iris diaphragm with filter holder (Ø33mm blue filter included)
Stage: Built in low position coaxial mechanical stage
Illumination: Built in halogen illumination 12V/20W with intensity control
Main supply 220-240V VDE Plug CE
Standard CCD & photo adapters included

Model B1-222ASC
Trinocular head, inclined 30° and 360° rotating
Eyepiece: Widefield WF10x (FN20) (paired)
Objective: Achromatic Super Contrast Objectives ASC 4x (0.10), ASC10x (0.25), ASC40x (0.65 (spring), ASC100x (1.25 (oil), spring)
Nosepiece: Quadruple nosepiece (ball bearing type)
Condenser: Focusable 1.25 Abbe condenser (rack and pinion type)
Focusing: Coaxial coarse and fine focusing adjustment
Diaphragm: Iris diaphragm with filter holder (Ø33mm blue filter included)
Stage: Built in low position coaxial mechanical stage
Illumination: Built in halogen illumination 12V/20W with intensity control
Main supply 220-240V VDE Plug CE
Standard CCD & photo adapters included

Optional Accessories

- Eyepieces
  - Huygens eyepiece H10x / 14.0mm (03.060.141)
  - Widefield eyepiece WF10x / 20mm (03.060.143)
  - Widefield eyepiece WF10x / 12mm (03.060.145)
  - Widefield eyepiece WF20x / 11mm (03.060.147)
- Diaphragm: Iris diaphragm (Ø33mm blue filter included)
- Achromatic Objectives
  - Achromatic objective 20x / 0.4 (03.105.143)
  - Achromatic objective 60x / 0.5 / 5 (03.105.145)
- Photo and CCD Adapters
  - Photo adapter 2.5x (12.220.201-2.5)
  - Photo adapter 4x (12.220.201-4)
  - CCD adapter 0.5x (12.220.202-0.5)
  - CCD adapter 1x (12.220.202-1)
- Polarizing set B208
  - Polarizing set B208NT (without rotating table)
- Phase Contrast and Darkfield Accessories
  - Plan objective 10x PH (12.220.205)
  - Phase contrast attachment (simple plug in type)
- Spare Parts
  - Blue filter (55.105.203)
  - Green filter (12.220.301)
  - Yellow filter (12.220.302)
  - Eyepieces (pair) (12.220.307)
  - Dust cover (size C) (12.220.303)
  - Mirror and fork attachment (12.220.304)
  - Wooden case (made in Spain) (12.220.305)
  - Halogen bulb 12V/200W (12.180.258)
PM series petrographic microscopes

Model PM-2805
- Monocular head 45° inclined 360° rotating
- Widefield Eyepiece WF10x (FN 18) (cross reticle)
- Objectives: Achromatic EA 4x/0.10, EA10x/0.25, EA40x/0.65 (spring)
- Nosepiece: Quadraple nosepiece (ball bearing type)
- Slide in analyzer provides choice of 4-5 plate or x plate and bertrand lens
- Condenser: Focusable 1.25 N.A. abbe condenser (spiral mount type)
- Focusing: Coaxial coarse and fine focusing adjustment
- Diaphragm: Iris diaphragm with filter holder (332mm blue filter included)
- Stage: Working table rotating from 0-360° with graduations to 1°
- Illumination: Built-in halogen illumination 12V/20W with intensity control
- Main supply: 230V VDE plug CE

Optional Accessories

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<td>Achromatic objective 60x / 0.80 / 5</td>
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Model PM-1805
- Monocular head 45° inclined 360° rotating
- Widefield Eyepiece WF10x (FN 18) (cross reticle)
- Objectives: Achromatic EA 4x/0.10, EA10x/0.25, EA40x/0.65 (spring)
- Nosepiece: Quadraple nosepiece (ball bearing type)
- Focusing: Separate coarse and fine focusing adjustment
- Diaphragm: Iris diaphragm with filter holder (332mm blue filter included)
- Illumination: Built-in halogen illumination 12V/20W with intensity control
- Main supply: 230V VDE plug CE
- With simple add on type analyzer and polarizer
Motic ST-39 series stereo microscopes

This series provides very good 3D image with high resolution image. Modern design which is the best tool for all applications.

Model ST-39C-N9GO
Binoocular head 45° inclined, 360° rotating.
Widefield eyepiece WF10x (FN 20) (paired)
Objective: Turret type 2x, 4x
Incident light halogen 12V/10W and transmitted light tungsten 12V/10W
Main supply 220V-240V, VDE plug CE

Optional Accessories

| Eyepieces | 51.020.141 Widefield eyepiece WF 15x / 18mm |
|           | 51.020.144 Widefield eyepiece WF10x / 10mm |
| Micrometer Eyepieces | 51.020.143 Micrometer eyepiece WF10x / 20mm with built-in micrometer, 100 divisions in 10mm |
| Polarizing and Darkfield Attachments | 51.030.261 Darkfield condenser with irx diaphragm |
|           | 51.030.262 Polarizing equipment B301 |
|           | 51.030.263 Jewellery clamp |
| Spare Parts | 51.030.251-W White stage plate, diameter 80mm |
|           | 51.030.251-B Black stage plate, diameter 80mm |
|           | 51.030.251-F Frosted stage plate, diameter 90 mm |
|           | 53.100.254 Dust cover (use 8) |
|           | 53.100.254 Eyepieces (pair) |
|           | 53.109.252 Wooden box (made in Spain) |
|           | 53.105.259 Halogen bulb 12V/10W (incident) |
|           | 53.106.259 Tungsten bulb 12V/10W (transmitted) |

Model ST-39Z-N9GO
Binoocular head 45° inclined, 360° rotating.
Widefield eyepiece WF10x (FN 20) (paired)
Zoom objective: 1x-3x
Incident light halogen 12V/10W and transmitted light tungsten 12V/10W
Main supply 220V-240V, VDE plug CE
Motic SFC-11 series advanced stereo microscopes

Excellent optical quality in both resolution and contrast, extra long working distance even for the most demanding applications.

Model SFC-11C-2LBB

- Binocular head 45° inclined, 360° rotating.
- Widefield eyepiece WF10x (FN 20) (painted)
- Objective C : 2x, 4x
- Incident light tungsten 12V/100W and transmitted light tungsten 12V/100W
- Main supply 220V-240V, VDE plug CE
- Fixed arm type

Optional Accessories

- Eyepieces
  - 51.020.141 Widefield eyepiece WF 10x / 22mm
  - 51.020.144 Widefield eyepiece WF 15x / 13mm
  - 51.020.145 Widefield eyepiece WF 25x / 10mm
- Micrometer Eyepieces
  - 51.020.143 Micrometer eyepiece WF10x / 20mm with built in micrometer, 100 divisions in 10mm
- Polarizing and Darkfield Attachments
  - 51.030.261 Darkfield condenser with iris diaphragm
  - 51.030.262 Polarizing equipment
  - 51.030.263 Jewellery clamp
- Spare Parts
  - 51.030.251 Black / white stage plate, diameter 90mm
  - 51.030.252 Frosted glass stage plate, diameter 80mm

53.100.254 Dust cover (size 8)
51.020.254 Eyepieces (pair)
11.012.253 Wooden box (made in Spain)

Motic PS-2 simple biological microscopes

A simple model using daylight for operation and can be easily carried around for field trips.

Model PS-2

- Eyepiece : Huygen MF10x
- Magnification: 27x

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**Electrical**
All electrical parts are arranged according to CE, VDE, UL and CSA requirements.

**Five Year Warranty**
All Motic instruments are warranted against defects in materials and workmanship for five years. Damage resulted from repair by unauthorized parties or damage due to accident, alteration, misuse or abuse is not covered. Warranty service is provided by Speed Fair Co., Ltd. or its authorized dealers. Defective Motic instruments covered by the warranty will be repaired free of charge when they are returned, postpaid, to Speed Fair Co., Ltd. or its authorized dealers in your region.

**Design Change**
The manufacturer reserves the right to make changes in instrument design in accordance with scientific and mechanical progress, without notice and without obligation.

**Web Site**: [http://www.motic.com](http://www.motic.com)