



Leica DM750

The New Generation's Choice of Innovative Educational Microscopes

Living up to Life

Leica
MICROSYSTEMS

Made for Future Nobel Prize Winners

Science Teaching Revitalized

The more time the instructor has to teach, the more students can learn. The Leica DM750 microscope was specifically developed to revitalize science teaching and to achieve the goal of more hands-on time for Life science courses. With many student-friendly features and high-quality construction, the Leica DM750 invigorates science learning and teaches the next generation of scientists effectively and efficiently.

Superb Optics

- Based on the same optical platform as Leica Microsystems' research microscope line, students enjoy outstanding optical performance with full access to virtually all accessories from the Leica Microsystems microscope product line.
- NEW! 100× dry (no oil needed) objective provides very high resolution (N.A. 0.8) while eliminating the oil.

EZStore™

- Integrated vertical handle provides easy carrying and easy lifting when storing on high shelves; undercut on front of stand works in combination with the handle for safer, two-handed carrying.
- Integrated cord wrap eliminates damage to microscope components from improper cord wrapping; vertical cord insertion prevents the cord from pulling partially out of the stand while in storage or in use.
- The unique shape of the microscope stand protects controls from damage when microscopes are stored side-by-side.

EZGuide™

- Student friendly slide holder to prevent slide chipping.

SafeTStage™

- Microscope stage maintains its dimension, which eliminates the chance of injury from contact with a conventional stage rack.
- Rounded edges are easy on the skin.

AgTreat™

- The spread of disease from surfaces is of great concern, especially in educational environments. Leica Microsystems has integrated an additive so that all microscope touchpoints are treated to inhibit the growth of bacteria. This helps to prevent the spread of disease via the microscope surfaces and leads to a healthier laboratory environment.



DM750 – Science Teaching for a New Generation

The Leica DM750 is designed specifically for the versatile needs of advanced Life Science courses as well as for professional training such as medical, veterinary, and dental schools.

Versatile possibilities

- Standard condenser for magnifications 4x – 100x
- Phase turret condenser for brightfield and phase contrast
- Flip top condenser for low magnifications
- The DM750 is available with a 4 position or 5 position nosepiece



Wear resistant

- Special stage finish offers additional protection from friction damage



Energy saving

- Patented time delay shutoff saves energy by automatically turning off the illumination after 2 hours of no use



A+ focus, contrast & illumination

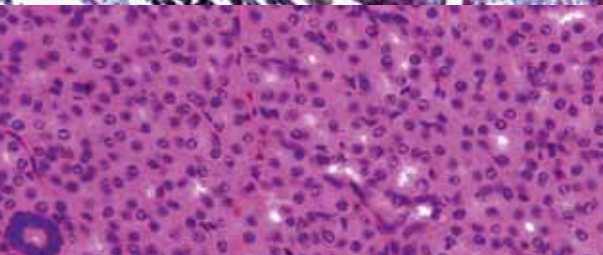
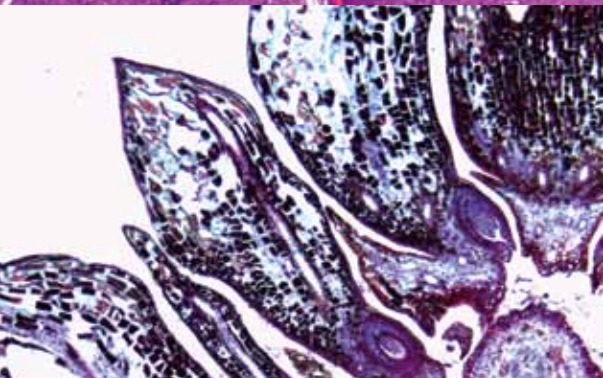
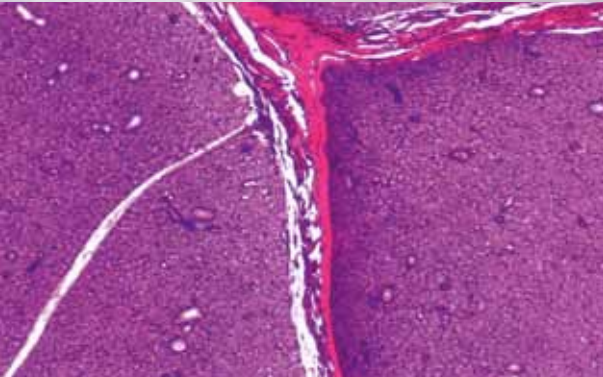
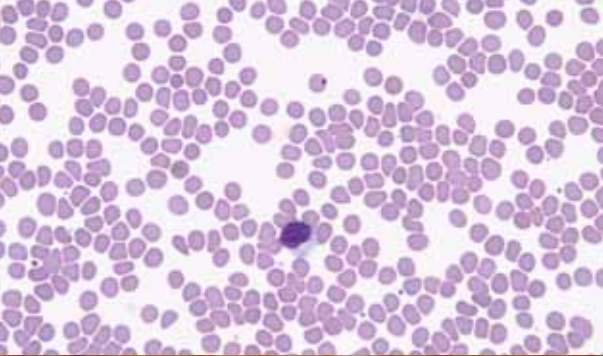
- Weighted focus knobs provide inertia and extremely accurate focus capability
- Koehler field diaphragm available as an option for optimum illumination and contrast



Shared viewing made easy

- Variety of viewing tubes provide free rotation while securely fixed to the stand
- Standard viewing tubes with eyepiece locking screws to prevent loss of eyepieces





Go High Definition!

The ability to share, capture, and archive images is an important part of the microscopy laboratory. Now available: the full range of Leica Microsystems imaging solutions, including the one-of-a-kind Leica ICC50 HD digital camera module.

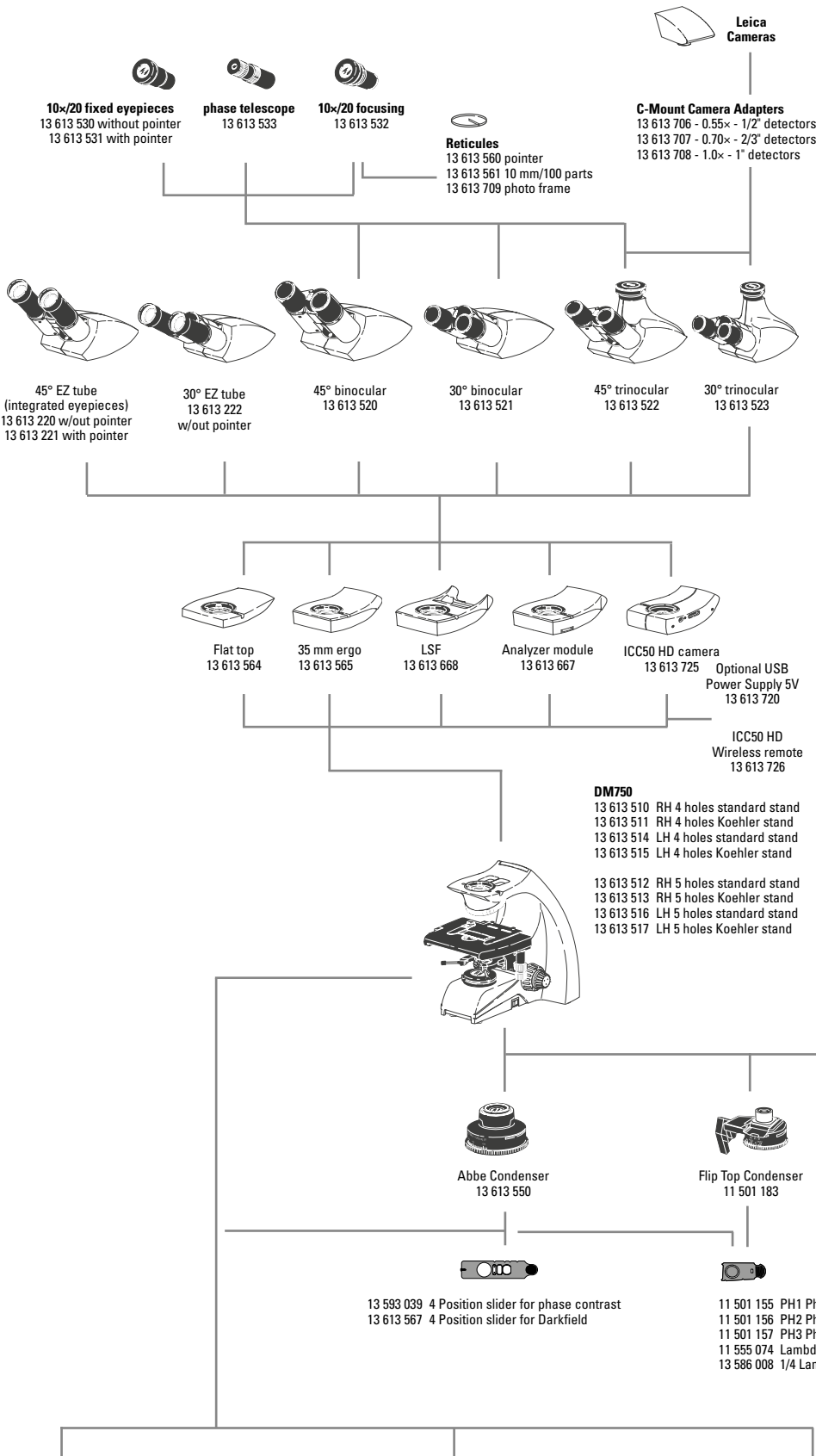
Leica ICC50 HD Camera Module – Integrated and Modular

- Fast, high-resolution (up to 1920 × 1080) live image on an HD display for scanning slides, observing moving specimens, and viewing the finest details on large screens
- Direct connection to an HD display
- Capture images and movie clips on an SD card for easy portability of the system
- Control the camera functions via two onboard buttons for easy access
- Optional handheld remote for fine tuning the image, customizing camera settings, and viewing a gallery of images and movie clips from the SD Card for easy playback
- Includes Leica Application Suite (LAS) EZ software for easy camera control, image capture, annotation, measurement and documentation.
NEW: Free hand annotation is now available on the live and saved image!
- Compatible with a wide selection of optional Leica Microsystems software modules.
- The modular design of the system allows easy upgrades and service.

A variety of trinocular viewing tubes and C-mount adapters provide the versatility to use stand-alone cameras; including the economical Leica EC3 digital camera, which opens the door to unlimited imaging possibilities.



System diagram Leica DM750



- Replacements**
- 13 613 563 Eyeguard pair
 - 13 RFAG30003 Fuses for DM750
 - 13 613 571 Thumbscrew pair for DM750 condenser mount
 - 13 613 572 Set screw pair for DM750 condenser mount
 - 13 613 584 Dust cover DM750
 - 13 613 510-100 DM750 User documents
 - 13 613 725-100 ICC50 HD User documents
 - 13 613 573 Add on lens for condensers with DM750 (included with stand)
 - 11 505 249 Rechargeable battery set

- Analyzer Module Sliders**
- 11 555 045 Fixed analyzer slider
 - 11 555 079 180° Rotatable analyzer slider
 - 11 555 080 360° Rotatable analyzer slider

- Others**
- 13 613 262 Captive thumbscrew for EZ tube
 - 13 613 261 Rubber grips for X/Y controls
 - 13 614 800 Immersion oil
 - 11 513 106 Stage micrometer
 - 11 505 091 Diffuser slider for using 2.5x objective with Abbe condenser
 - 11 505 507 Auxilliary lens for using 2.5x objective with 11 501 183 flip top condenser
 - 13 613 566 32 mm filter holder
 - 13 613 263 Hard carrying case
 - 10 450 245 Soft carrying case
 - 13 613 562 Simple pol kit
 - 11 505 250 Solar panel

- International Power Cords**
- 13 613 900 U.S. 
 - 13 613 901 Europe Continental 
 - 13 613 902 U.K. 
 - 13 613 903 Switzerland 
 - 13 613 904 Denmark 
 - 13 613 905 Italy 
 - 13 613 906 Australia 
 - 13 613 907 China 
 - 13 613 908 Japan 
 - 13 613 909 Israel 
 - 13 613 910 South Africa 
 - 13 613 911 India 
 - 13 613 912 Argentina 

- Plan FOV 18 objectives**
- 13 613 240 - Plan 4x/0.10 NA, 26.2 mm *
 - 13 613 241 - Plan 10x/0.22 NA, 7.8 mm *
 - 13 613 242 - Plan 40x/0.65 NA, 0.31 mm *
 - 13 613 243 - Plan 100x/1.25 NA, 0.10 mm *
- * working distance

- HI Plan FOV 20 objectives**
- 11 506 228 - HI Plan 4x/0.10 NA, 18.0 mm *
 - 11 506 228 - HI Plan 10x/0.25 NA, 12.0 mm *
 - 11 506 276 - HI Plan 20x/0.40 NA, 0.92 mm *
 - 11 506 236 - HI Plan 40x/0.65 NA, 0.36 mm *
 - 11 506 237 - HI Plan 63x/0.75 NA, 0.31 mm *
 - 11 506 238 - HI Plan 100x/1.25 NA, 0.10 mm *
 - 11 506 322 - HI Plan 100x/0.80 NA, 0.3 mm* dry objective
- * working distance

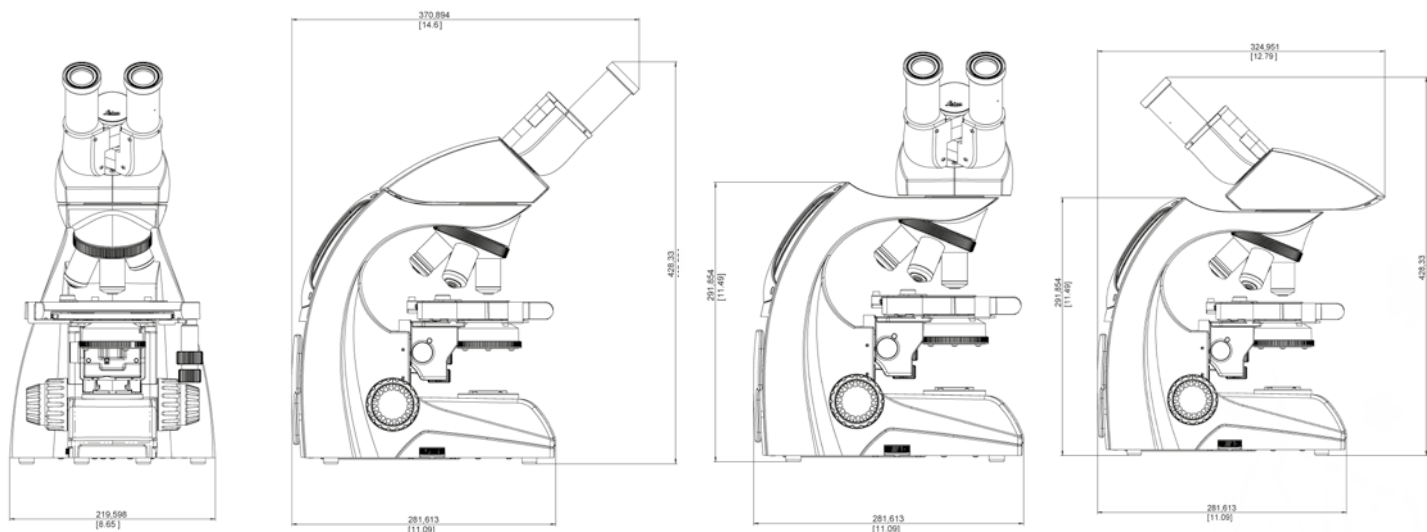
- HI Plan Phase FOV 20 objectives**
- 11 506 230 - HI Plan Phase 10x/0.25 NA, 12.0 mm *
 - 11 506 278 - HI Plan Phase 20x/0.40 NA, 0.92 mm *
 - 11 506 240 - HI Plan Phase 40x/0.65 NA, 0.36 mm *
 - 11 506 241 - HI Plan Phase 100x/1.25 NA, 0.10 mm *
- * working distance

Preconfigured Outfits Leica DM750

OUTFIT ORDERING NUMBER		13613500	13613503	13613501	13613504	13613502	13613505
		DM750	DM750	DM750	DM750	DM750	DM750
STANDS							
13613510	DM750 RH Stand	X	X	X	X		
13613511	DM750 RH Stand Koehler					X	X
TUBES							
13613220	45° EZ Tube	X					
13613221	45° EZ Tube with pointer		X				
13613520	45° Binocular Tube			X	X	X	X
EYEPIECES							
13613530	10×/20 Eyepiece with eyeguard			X		X	
13613531	10×/20 Pointer eyepiece w/eyeguard				X		X
13613532	10×/20 Focusing eyepiece w/eyeguard			X	X	X	X
CONDENSERS							
13613550	Abbe Condenser 0.9 Dry/1.25 Oil	X	X	X	X	X	X
OBJECTIVES							
13613240	Plan 4×/0.10NA, 26.2 mm W.D.	X	X				
13613241	Plan 10×/0.22 NA, 7.8 mm W.D.	X	X				
13613242	Plan 40×/0.65 NA, 0.31 mm W.D.	X	X				
13613243	Plan 100×/1.25 NA, 0.10 mm W.D., Oil	X	X				
11506226	HI Plan 4×/0.10NA, 18.0 mm W.D.			X	X	X	X
11506228	HI Plan 10×/0.25 NA, 12.0 mm W.D.			X	X	X	X
11506236	HI Plan 40×/0.65 NA, 0.36 mm W.D.			X	X	X	X
11506238	HI Plan 100×/1.25 NA, 0.10 mm W.D., Oil			X	X	X	X
13614800	Immersion Oil	X	X	X	X	X	X
POWER CORD NOT INCLUDED: Must be ordered separately							

Dimensions Leica DM750

Dimensions in mm/inch



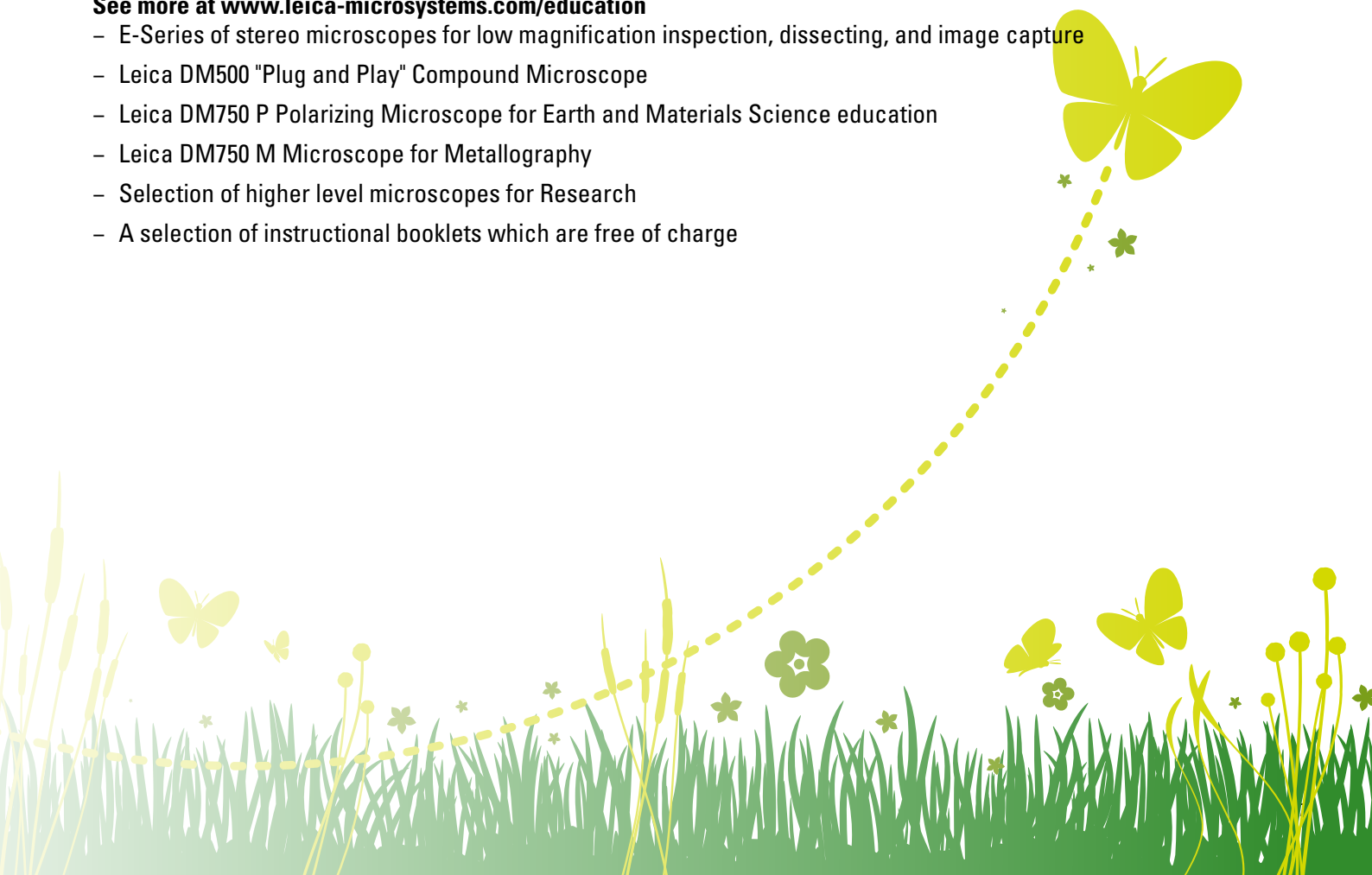
Clean and Green

We actively implement ways to make our environment cleaner and safer for this generation and the next:

- All packaging is completely recyclable.
- No Lead content in any of the glass components.
- LED illumination consumes approximately 80% less energy than standard halogen illumination.
- The time delay shutoff feature found on the Leica DM750 ensures no energy is wasted.
- Constantly optimizing our logistics chain to keep the CO₂ footprint as low as possible.
- AgTreat™ helps to prevent the spread of disease via the microscope surfaces and leads to a healthier laboratory environment.
- All products have been tested by independent safety laboratories and carry the cULus and
- CE mark to indicate their design for safety.
- All products are RoHs compliant, which means all electrical components meet any restrictions on the use of hazardous substances.

See more at www.leica-microsystems.com/education

- E-Series of stereo microscopes for low magnification inspection, dissecting, and image capture
- Leica DM500 "Plug and Play" Compound Microscope
- Leica DM750 P Polarizing Microscope for Earth and Materials Science education
- Leica DM750 M Microscope for Metallography
- Selection of higher level microscopes for Research
- A selection of instructional booklets which are free of charge



Leica DM750 – Specifications

SEPARATE EYEPIECES

High eyepoint
10×/20 (20 mm field of view)
Available with or without pointer
Available fixed or focusing
Focusing eyepieces with reticule holder for 21 mm reticle
Foldable eyeguards
30 mm mounting diameter

EZTube™

Preset diopters for corrected vision
45 degree viewing angle
10×/18 (18 mm field of view)
Attaches to stand with set screw
Captive thumbscrew available for safe rotation
Eyepieces are integrated into tube
Available with pointer and without pointer
Interpupillary distance range 52 mm – 75 mm

Other Viewing Tubes for separate eyepieces

45 degree, 30 degree, trinocular
Maximum field of view 20 mm
Rotatable dovetail
Leica tube dovetail standard
Eyepiece locking screw
Interpupillary distance range 52 mm – 75 mm

Stand

Stand shape protects controls
Stand construction – die-cast aluminium
External fuses
Knurled nosepiece
4 or 5 position nosepiece available
Drop in holder for 32 mm mounted or not mounted filters

EZStore™

Vertical handle
Undercut in front of stand
Cord wrap
Vertical cord attachment to stand

Objectives

Infinity platform
Plan optics for FOV 18
HI Plan for FOV 20
100× dry objective with N.A. 0.8 (no correction collar)
Objective labeling laser engraved (HI Plans)
M25 nosepiece thread

EZGuide™

One-handed slide loading
26 mm × 76 mm stage travel

SafeTStage™

Stage surface 185 mm (150 mm front) wide × 140 mm deep
Rounded stage edges
Non extending rack
Verniers for X/Y coordinates
Wear resistant stage surface

Condenser

Centerable and focusable condenser mount
Slot in condenser for contrast sliders (phase, darkfield, compensator)
Magnification labels on condenser
Standard Leica condenser mount for condensers (Abbe, turret, flip top, etc.)

Focus

Low position focus controls
Self adjusting focus mechanism
300 microns per fine focus rotation
Calibrated in 3 micron increments
Weighted focus knobs

EZLite™

Available with or without adjustable Koehler field diaphragm
LED illumination – 6000 K temp, 25,000 h life at full intensity
Continuous intensity adjustment
Illumination enough for viewing at lowest intensity
Simple polarizing kit available
2 hour Auto Off (can be disabled or enabled)
Auto Off default: 4 hole stands enabled, 5 hole stands disabled

Imaging

Trinocular tubes available (50%/50% light split)
C mount adapters with standard Leica mount
ICC50 HD intermediate camera module (50%/50% light split)

Intermediate Modules

35 mm intermediate ergo module available
15 mm flat top module
Module for LSF reflected light illuminator
Analyzer module

AgTreat™

Anti microbial treatment

Certifications

cULus, CE, RoHS

Shipping

Dimensions: 40 cm × 37 cm × 39 cm
Weight: 9 kg