Leica DMS1000
System Diagram
Zoom systems
10 450 596 Leica DMS1000 optics carrier with coded 8:1 zoom and built-in 5.0 MPixel CMOS camera

Objectives and optical accessories
10 450 191 Achromatic objective 0.32×, working distance 303 mm, ∅ 58 mm
10 450 192 Achromatic objective 0.5×, working distance 188.5 mm, ∅ 58 mm
10 450 160 Achromatic objective 0.63×, working distance 148 mm, ∅ 58 mm
10 450 161 Achromatic objective 0.8×, working distance 114 mm, ∅ 58 mm
10 450 159 Achromatic objective 1.0×, working distance 89.6 mm, ∅ 58 mm
10 450 162 Achromatic objective 1.25×, working distance 65.5 mm, ∅ 58 mm
10 450 163 Achromatic objective 1.6×, working distance 46 mm, ∅ 58 mm
10 450 164 Achromatic objective 2×, working distance 27.4 mm, ∅ 58 mm

Adapter M60 body to M42 objective thread
10 446 360 Objective 0.5× Planapo
10 447 177 Objective 1.0× Planapo
10 450 161 Objective 2.0× Planapo

Illumination
10 450 266 LED3000 NVI
10 450 265 Arm, clampable, for lampholder M5/M6

Focusing drive
10 450 504 Coarse/fine focusing drive with profile column 420 mm
10 450 505 Coarse/fine focusing drive with profile column 620 mm
10 450 502 Motorized focus with profile column 420 mm
10 450 503 Motorized focus with profile column 620 mm
10 450 128 Coarse/fine focusing drive with profile column 420 mm, for M125
10 450 171 Coarse focusing drive with profile column 300 mm
10 450 172 Coarse focusing drive with profile column 500 mm
10 450 299 Coarse/fine focusing drive with profile column 300 mm

Spare parts (service items)
19 004 872 HDMI cable (2 m)
19 004 871 USB cable (1.8 m)
19 004 870 SD card (4 GB)
Zoom systems

- Leica DMS1000 optics carrier with coded 8:1 zoom and built-in 5.0 MPixel CMOS camera

Objectives and optical accessories

- Achromatic objective 0.32×, working distance 303 mm, ∅ 58 mm
- Achromatic objective 0.5×, working distance 188.5 mm, ∅ 58 mm
- Achromatic objective 1.6×, working distance 46 mm, ∅ 58 mm
- Achromatic objective 2×, working distance 27.4 mm, ∅ 58 mm
- Objective 0.5× Planapo
- Objective 1.0× Planapo
- Objective planapo 5.0×/0.5, wd = 19 mm
- Adapter-Telecentric, 0.5× Planapo

Illumination

- LED3000 RL – ring illuminator
- Polarization set for LED3000 RL
- Diffuser for LED3000 RL
- Vertical illuminator for 60 – 150 mm working distance
- Spotlight illuminator, double-armed gooseneck, multi-contrast illumination with 4 power LEDs
- Coarse/fine focusing drive with profile column 420 mm
- Coarse/fine focusing drive with profile column 620 mm
- Motorized focus with profile column 620 mm
- Coarse/fine focusing drive with profile column 420 mm, for M125
- Coarse focusing drive with profile column 500 mm
- Coarse/fine focusing drive with profile column 300 mm
- Coarse/fine focusing drive with profile column 500 mm, for M series
- Microscope carrier for M series with 76 mm interface
- Leica Smart Move control unit for Leica IsoPro™ motorized cross-stage
- Leica PSC control unit for Leica IsoPro™ motorized stage
- SmartTouch™, external control unit with integrated touchscreen for controlling all functions
- Manual controller for motorized focus
- Footswitch for motorized stereomicroscopes
- Leica Palm-/ Footswitch

Incident light and transmitted light bases

- Incident light base medium
- Sub-base for transmitted light with reflector for LED3000 BFDF
- Cold light source with light guide required
- ST Adapter column on TL Bases
- Transmitted light base TL3000 ST with bright field (HF) and single-sided dark field (DF)
- Daylight filter for TL3000 ST base
- TL4000 BFDF transmitted light base for external cold-light sources with HF and circular DF
- Transmitted light base TL4000 RC™ for external cold-light sources with HF, single-sided DF and Rottermann Contrast™ (RC)
- Transmitted light base TL4000 RCI™ with HF, DF, RC
- Filter ND (gray filter) for base TL4000 RC™/RCI™
- BG38 filter for base TL4000 RC™/RCI™
- UV filter for TL4000 RC™/RCI™ base
- Daylight filter for base TL4000 RCI™
- Transmitted light base TL5000 Ergo with integrated LED illumination, automatic contrasting, HF, double-sided DF and RC
- Milk-glass filter for base TL5000 Ergo
- Green filter for base TL5000 Ergo
- Polarization filter for base TL5000 Ergo
- XL Universal Base for specimens up to 300 × 300 mm
- Leica ErgoRest™ handrest for fatigue-free working

Stages

- Standard stage for transmitted light bases TL4000 BFDF, TL4000 RC™ and TL4000 RCI™
- Leica IsoPro™ Manual Cross-stage *
- Additional buttons for IsoPro™ Manual Cross-stage
- Leica IsoPro™ Motorized Cross-stage *
- "For TL4000 BFDF, TL4000 RC™, TL4000 RCI™ transmitted light bases and incident light base (with adapter 10 450 122)
- Adapter between cross-stage and incident light base 10 450 049
- Adapter between cross-stages 10 450 218 / 10 450 127 and TL5000 Ergo
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**LIFE SCIENCE DIVISION**
The Leica Microsystems Life Science Division supports the imaging needs of the scientific community with advanced innovation and technical expertise for the visualization, measurement, and analysis of microstructures. Our strong focus on understanding scientific applications puts Leica Microsystems’ customers at the leading edge of science.

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The Leica Microsystems Industry Division’s focus is to support customers’ pursuit of the highest quality end result. Leica Microsystems provide the best and most innovative imaging systems to see, measure, and analyze the microstructures in routine and research industrial applications, materials science, quality control, forensic science investigation, and educational applications.

**MEDICAL DIVISION**
The Leica Microsystems Medical Division’s focus is to partner with and support surgeons and their care of patients with the highest-quality, most innovative surgical microscope technology today and into the future.

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**INDUSTRY DIVISION**
The Leica Microsystems Industry Division’s focus is to support customers’ pursuit of the highest quality end result. Leica Microsystems provide the best and most innovative imaging systems to see, measure, and analyze the microstructures in routine and research industrial applications, materials science, quality control, forensic science investigation, and educational applications.

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The Leica Microsystems Medical Division’s focus is to partner with and support surgeons and their care of patients with the highest-quality, most innovative surgical microscope technology today and into the future.

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