

Slit Lamps

TSL-7000H/TSL-7000Hdigital/TSL-7000Z/TSL-7000Zdigital

The TSL-7000 H and Z series slit lamps combine elegant design with modern technology, representing excellence in both design and substance. Enjoy the difference: easy handling and ideally located on-board illumination control – offering high quality, accuracy and reliability. Both models offer a high level of examination accuracy for you and your patients.

Excellent features

- + 5-step magnification changer
- + Extensive filter and accessory set with integrated yellow filter
- + Elegant design
- + Exceptional optics
- + LED illumination

Digital versions only

- + Workstation with application software
- + Integrated, highly sophisticated camera system

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Always read and follow the instructions for use.

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TSL-7000Hdigital



TSL-7000Zdigital



TSL-7000H



TSL-7000Z

Specifications

	TSL-7000H / digital	TSL-7000Z / digital
OPTICAL SYSTEM		
Type	Galilean converging binoculars 8°	Galilean converging binoculars 8° / parallel binoculars
Magnification	Rotating drum change x6, x10, x16, x25, x40	Rotating drum change x6, x10, x16, x25, x40 / x10, x16, x25
Eyepiece	x12.5	
Field of view	34, 22, 14, 8.5, 5.5 mm	34, 22, 14, 8.5, 5.5 mm / 22, 14, 8.5 mm
Interpupillary distance	49 mm to 77 mm	
Objective lens focal distance	107 mm	
Objective lens convergence angle	13°	

SLIT PROJECTION AND BASE		
Slit width	0 mm to 12 mm continuously variable	0 mm to 14 mm continuously variable
Slit length	12 mm (1.0-12 mm continuously variable)	14 mm (1.0-14 mm continuously variable)
Aperture diameters	0.2 mm, 1 mm square, 2, 3, 5, 9, 12 mm	0.2 mm, 1 mm square, 2, 3, 5, 9, 14 mm
Filters	Clear, red free, neutral density, diffuser, blue, IR heat-absorbing filter permanently installed	
Slit angle	±90° continuous	
Slit rotation	±90° with reference scale	
Base travel	25 mm z-axis, 107 mm x-axis, 110 mm y-axis	
Horizontal fine adjustment	12 mm	
Fixation lamp	LED	
Light source	LED / 12 V	

ADDITIONAL FEATURES		
Optional features	Auxiliary diffuser, yellow filter integrated to optical body	
Optional devices	TAT-100R	

DIMENSIONS AND ELECTRICAL REQUIREMENTS		
Dimensions WDH	350 mm x 410 mm x 702 mm	350 mm x 432 mm x 604 mm
Weight	approx. 21 kg	approx. 19 kg
Power supply unit	Switch mode, (100 V to 240 V input) ±10% multi plug compliant to EN 60601-1, EN 61000-6-2, EN 61000-6-3	
Power supply output	12 V DC / 2.5 A IEC / EN 60 6001	

Digital versions only

SPECIFICATIONS		
Base unit	Integral USB hub, joystick trigger system, auto left / right detection, ±camera exposure controls, freeze frame image review control	
Illumination system	External LED background illumination system, blue filter for background illumination system	

CAMERA SYSTEM		
Resolution	3.0 MP, 2048 x 1536	
Connectivity	USB 3.0	
Sensor type	CCD	
Chip size	1" / 1.8"	
Framerate	17.5 fps	

