

Slit Lamps

TSL-900H/TSL-900Hdigital/TSL-900Z

The TOMEY TSL-900 series leaves nothing to be desired. Easy and ergonomic handling, high quality, accuracy and reliability are provided. Our slit lamps are equipped with a complete filter set-up and many accessories, including a yellow filter module, applanation tonometer, measuring eyepiece and mounting plate. It's your complete slit lamp solution.

Excellent features

- + High-quality optics
- + LED illumination
- + Rotating drum with five-step magnification
- + Multiple integrated filters
- + Ergonomic operation

TSL-900Hdigital only

- + High-resolution digital imaging system with 5.0/12.0 MP
- + Slit lamp documentation by a fully integrated imagang solution

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TSL-900Hdigital



TSL-900H



TSL-900Z

Specifications

TSL-900H/TSL-900Hdigital TSL-900Z	
OPTICAL SYSTEM	
Type	Galilean converging binoculars 10°
Magnification	Rotating drum change x6.3, x10, x16, x25, x40
Eyepiece	x12.5
Field of view	40x (Ø 5.7 mm), 25x (Ø 8.9 mm), 16x (Ø 14 mm), 10x (Ø 22.3 mm), 6x (Ø 36.2 mm)
Interpupillary distance	52 mm to 80 mm
Objective lens convergence angle	13°
Dioptr adjustment	±8 D
SLIT PROJECTION AND BASE	
Slit width	0 mm to 14 mm continuously variable
Slit length	1 mm to 14 mm continuously variable
Aperture diameters	Ø 14 mm, Ø 10 mm, Ø 5 mm, Ø 3 mm, Ø 2 mm, Ø 1 mm, Ø 0.2 mm
Filters	Heat-absorbing filter, red-free filter, cobalt blue filter, ND filter, diffuser
Slit angle	±90° continuous
Slit inclination	4 step: 5°, 10°, 15°, 20°
Base travel	30 mm z-axis, 110 mm x-axis, 115 mm y-axis
Horizontal fine adjustment	12 mm
Fixation lamp	LED
Light source	LED / 12 V
Luminance	≥150klx

ADDITIONAL FEATURES	
Optional features	Yellow filter integrated to optical body
Optional devices	TAT-80R, measuring eyepiece

DIMENSIONS AND ELECTRICAL REQUIREMENTS		
Dimensions WDH	330 mm x 390-460 mm x 650 mm	330 mm x 390-460 mm x 460 mm
Weight	17 kg	16 kg
Power supply unit	100 V to 240 V, 50/60 Hz	
Power supply output	12 V DC to 15 V DC	

TSL-900Hdigital only	
SPECIFICATIONS	
Illumination system	External LED background illumination system, IR background illumination module

Digital versions only	
CAMERA SYSTEM	
Resolution	5.0 MP, 2592 x 1944 12.0 MP, 4056 x 3040
Connectivity	USB 3.0 high-speed 480 Mbps port
Sensor type	1/4-inch high-speed high-definition image sensor
Video format	MP4 H.264, 2592 x 1944
Frame rate	30 fps
Exposure mode	Automatic exposure, automatic gain

