

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 imaging solution

TOMEY EUROPE
TOMEY GMBH



tomey.de

TOMEY GmbH is the European headquarter of TOMEY Corporation,
2-11-33 Noritakeshinmachi Nishi-Ku, Nagoya, 451-0051, Japan

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Always read and follow the instructions for use.
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TSL-900Hdigital



TSL-900H



TSL-900Z

Specifications

| TSL-900H/TSL-900Hdigital TSL-900Z | |
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| OPTICAL SYSTEM | |
| Type | Galilean converging binoculars 10° |
| Magnification | Rotating drum change x6, 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 |

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| 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 |

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

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

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

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| 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 |

