

SLIT LAMPS TSL-900 SERIES

LED Slit Lamps



TSL-900H

TSL-900Hdigital

TSL-900Z

With the TSL-900 series you'll get the ideal value for your money: high-performance and affordable for everyone.

The excellent quality of the HD optical system and the option to choose a digital imaging system will enable precise observation of the patient's eye. For reliable results and the added value of patient education.



SLIT LAMPS TSL-900 SERIES

Quality in detail

MAIN FEATURES AT A GLANCE

Illumination system

- Inclined (HS-type only)
- Long-life economical LED lamp
- High illumination intensity
- Natural colour temperature
- Optimal observation and analysis of cornea and retina



TSL-900H(digital)



TSL-900Z



Metal Plate Table Kit

- For fast and easy table mounting
- Perfect fit

HD optical system with 5-step magnification

- Resolution up to 200 lp/mm (2,700 N lp/mm)
- Magnification 6×, 10×, 16×, 25×, 40×
- View every detail of all the various structures



All-encompassing filter range

- Including built-in yellow filter
- Red-free, neutral density, blue, IR heat-absorbing filter
- Diffuser

OPTIONAL EQUIPMENT

TAT-80R Applanation Tonometer

- Gold standard in IOP measurement
- Best reproducibility and accuracy
- Reliable and durable



Measuring eyepiece

- With a reticle inside
- Convenient measurement of pathologies
- For more accurate diagnosis



GET YOUR DIGITAL SLIT LAMP

- TSL-900Hdigital as a complete solution
- Upgrade kit for TSL-900Z and TSL-900H

Digital imaging system includes

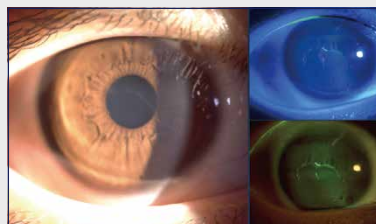
- Digital camera system
- Beam-splitter
- USB cable
- Eyeview software
- Compatible with Windows OS
- IR Background illumination module for Meibomian glands observation (TSL-900H/TSL-900Hdigital)

Performance

- Wide dynamic range
- Meibomian glands examination
- Auto exposure
- Auto gain
- Auto white balance
- Auto OD/OS indicator

Software features

- Easy patient management
- Functional analysis of images and videos
- Comparison of several images at one time
- Customisation based on individual needs



CAMERA SYSTEM (TSL-900Z + digital upgrade kit/TSL-900Hdigital)

| | |
|--------------|------------------|
| Resolution | 5 MP/2592 × 1944 |
| Connectivity | USB 3.0 |
| Photo format | JPEG |
| Video format | MP4 H.264 |
| Chip size | 1/1.8" |
| Frame rate | 25 fps |

SLIT LAMPS TSL-900 SERIES

Specifications

| | TSL-900Z / TSL-900Z + digital upgrade kit | TSL-900H / TSL-900Hdigital |
|---------------------------------|--|--|
| OPTICAL SYSTEM | | |
| Type | Galilean converging binoculars 10° | Galilean converging binoculars 10° |
| Magnification | 5-step rotating drum change 6×, 10×, 16×, 25×, 40× | 5-step rotating drum change 6×, 10×, 16×, 25×, 40× |
| Eyepiece | 12.5× | 12.5× |
| Field of view | 36.2, 22.3, 14, 8.9, 5.7 mm | 36.2, 22.3, 14, 8.9, 5.7 mm |
| Interpupillary distance | 52 to 80 mm | 52 to 80 mm |
| Dioptre adjustment | -8 D to +8 D | -8 D to +8 D |
| SLIT PROJECTION AND BASE | | |
| Slit width | 0-14 mm continuously variable | 0-14 mm continuously variable |
| Slit length | 1-14 mm continuously variable | 1-14 mm continuously variable |
| Aperture diameters | 0.2, 3.5, 8, 14 mm | 0.2, 1, 2, 3, 5, 10, 14 mm |
| Filters | Yellow, red-free, neutral density, blue, IR heat-absorbing filter, diffuser | Yellow, red-free, neutral density, blue, IR heat-absorbing filter, diffuser |
| Slit angle | 0° to 180° | 0° to 180° |
| Slit inclination | n.a. | 5°, 10°, 15°, 20° |
| Base travel | 30 mm Z-axis, 115 mm X-axis, 110 mm Y-axis | 30 mm Z-axis, 115 mm X-axis, 110 mm Y-axis |
| Chin rest vertical movement | 80 mm | 80 mm |
| Horizontal fine adjustment | 12 mm | 12 mm |
| Fixation lamp | Red LED | Red LED |
| Light source | White LED | White LED |
| Luminance | ≥150 klx | ≥150 klx |
| DIMENSIONS AND WEIGHT | | |
| Dimensions WDH | 330 × 390-460 × 460 mm | 330 × 390-460 × 650 mm |
| Weight | 16 kg | 17 kg |
| POWER SUPPLY | | |
| Power supply input | 100 – 240 V, 50/60 Hz | 100 – 240 V, 50/60 Hz |
| Power supply output | 12 – 15 V DC | 12 – 15 V DC |



TOMEY EUROPE
TOMEY GmbH
 Wiesbadener Strasse 21
 90427 Nürnberg, Germany
 Phone +49 911 938 546 2 0
 Fax +49 911 938 546 2 20
 Email info@tomey.de

TOMEY ASIA-PACIFIC
TOMEY CORPORATION JAPAN
 2-11-33 Noritakeshinmachi
 Nishi-ku, Nagoya 451-0051, Japan
 Phone +81 52 581 5327
 Fax +81 52 561 4735
 Email intl@tomey.co.jp



www.tomey.de