

## SPECIFICATIONS

TSL-7000H / TSL-7000Hdigital

<b>OPTICAL SYSTEM</b>	
Type	Galilean converging binoculars 8°
Magnification	Rotating drum change x6, x10, x16, x25, x40
Eyepiece	x12.5
Field of view	34, 22, 14, 8.5, 5.5 mm
Interpupillary distance	49 to 77 mm
Objective lens focal distance	107 mm
Objective lens convergence angle	13°
<b>SLIT PROJECTION AND BASE</b>	
Slit width	0 - 12 mm continuously variable
Slit length	12 mm (1.0 - 12 mm continuously variable)
Aperture diameters	0.2, 1 mm square, 2, 3, 5, 9, 12 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
Slit vertical tilt	0°, 5°, 10°, 15°, 20°
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 / 12V
<b>ADDITIONAL FEATURES</b>	
Auxiliary diffuser, yellow filter integrated to optical body, TAT-100R and TAT-100T optional available	
<b>DIMENSIONS AND WEIGHT</b>	
Dimensions WDH	350 x 410 x 702 mm
Weight	~ 21 kg
<b>POWER SUPPLY</b>	
Power supply unit	Switch mode, (100 - 240V input) +/- 10% multi plug compliant to EN 60601-1, EN 61000-6-2, EN 61000-6-3
Power supply output	12V DC / 2.5 A IEC / EN 60 6001

## SPECIFICATIONS

TSL-7000Z / TSL-7000Zdigital

<b>OPTICAL SYSTEM</b>	
Type	Galilean converging binoculars 8°
Magnification	Rotating drum change x6, x10, x16, x25, x40
Eyepiece	x12.5
Field of view	34, 22, 14, 8.5, 5.5 mm
Interpupillary distance	49 to 77 mm
Objective lens focal distance	107 mm
Objective lens convergence angle	13°
<b>SLIT PROJECTION AND BASE</b>	
Slit width	0 - 14 mm continuously variable
Slit length	14 mm (0 - 14 mm)
Aperture diameters	0.2, 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
<b>ADDITIONAL FEATURES</b>	
Auxiliary diffuser, yellow filter integrated to optical body, TAT-100R and TAT-100T optional available	
<b>DIMENSIONS AND WEIGHT</b>	
Dimensions WDH	350 x 432 x 604 mm
Weight	~ 19 kg
<b>POWER SUPPLY</b>	
Power supply unit	Switch mode, (100V - 240V input) +/- 10% multi plug compliant to EN 60601-1, EN 61000-6-2, EN 61000-6-3
Power supply output	12V DC / 2.5 A IEC / EN 60 6001

## SPECIFICATIONS TSL-7000Hdigital / TSL-7000Zdigital

<b>BASE UNIT</b>			
Integral USB hub, joystick trigger system, auto left/right detection, +/- camera exposure controls, freeze frame image review control			
<b>ILLUMINATION SYSTEM</b>			
External LED background illumination system, blue filter for background illumination system			
<b>CAMERA SYSTEM</b>			
Resolution	2 Megapixel: 1600 x 1200	Chip size	1 / 1.8"
Connectivity	USB 3.0	Frame rate	17.5 fps
Sensor type	CCD		

2016/03 - subject to change without notice

## SLIT LAMPS TSL-7000 series

### LED SLIT LAMPS

# DELIGHT IN SIGHT

Exceptional optics.  
Outstanding reliability.



TSL-7000Hdigital

- Integrated yellow filter
- Exceptional optics
- Work station with application software (TSL-7000Hdigital & TSL-7000Zdigital)
- LED illumination
- Extensive filter and accessory set
- Integrated, high sophisticated camera system (TSL-7000Hdigital & TSL-7000Zdigital)

**TOMEY**  
TECHNOLOGY AND VISION



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TECHNOLOGY AND VISION

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# THE TOMEY TSL-7000 series



## QUALITY IN DETAIL

Combining classic beauty with modern technology – our TSL-7000H and TSL-7000Z are the results of ideal style and substance. Enjoy the difference in easy handling with perfectly placed on-board illumination control – surely, high quality, accuracy and reliability are guaranteed. Day by day, you can rely on a perfect diagnostic tool giving your patients the highest level of examination.

TSL-7000H



TSL-7000Z



TSL-7000Zdigital



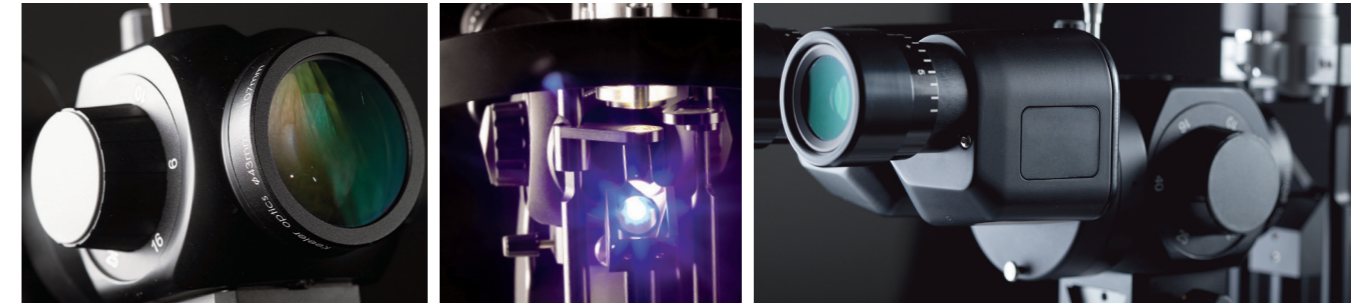
TAT-100R / TAT-100T  
APPLANATION TONOMETER

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



## EXCEPTIONAL OPTICS + LED

The passion for high quality optics is present in the entire optical system – accuracy and reliability give the absolute confidence in this system. LED is the preferred light source nowadays. Our LED has been selected for its use and performance with an ideal colour temperature and homogeneous light illumination level.



## TAKE CONTROL

The control of variable functions of the slit lamp and digital applications can be done via the slit lamp dashboard, starting with independently controlled main illumination, exposure time of the camera (TSL-7000Hdigital and TSL-7000Zdigital) up to camera trigger on the joystick.

To bring it to perfection – the high attention to mechanical parts provide a comfortable handling and smooth operation.



## DIGITAL CAPTURE + PATIENT MANAGEMENT

The TSL-7000Hdigital and TSL-7000Zdigital come with many features on top of the basic version. Additional to the combined integrated camera and beam splitter the digital series include a background illumination, diffuser and blue filter. Moreover the *Kapture* software with integrated patient database completes this work station.

The camera and review control functions allow capturing and examining these images while being stored in the database. All images and data are entered through easy to use but sophisticated software screens.

