SPECIFICATIONS

TSL-4000H / TSL-7000H / TSL-7000H*digital*

OPTICAL SYSTEM	
Type	Galilean converging binoculars 8°
Magnification • TSL-4000H • TSL-7000H / TSL-7000H*digital*	Rotating drum change x10, x16, x25 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°
SLIT PROJECTION AND BASE	
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
ADDITIONAL FEATURES	
Auxiliary diffuser, yellow filter integrated to optical body, TAT-100R and TAT-100T optional available	
DIMENSIONS AND WEIGHT	
Dimensions WDH	350 x 410 x 702 mm
Weight	~ 21 kg
POWER SUPPLY	
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-4000Z / TSL-7000Z / TSL-7000Z*digital*

OPTICAL SYSTEM	
Type	Galilean converging binoculars 8°
Magnification • TSL-4000Z • TSL-7000Z / TSL-7000Z*digital*	Rotating drum change x10, x16, x25 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°
SLIT PROJECTION AND BASE	
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
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
ADDITIONAL FEATURES	
Auxiliary diffuser, yellow filter integrated to optical body, TAT-100R and TAT-100T optional available	
DIMENSIONS AND WEIGHT	
Dimensions WDH	350 x 432 x 604 mm
Weight	~ 19 kg
POWER SUPPLY	
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-7000H*digital* / TSL-7000Z*digital*

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	2 Megapixel: 1600 x 1200	**Chip size**	1 / 1.8"	**Sensor type**	CCD
Connectivity	USB 3.0	**Frame rate**	17.5 fps		

2017/05- subject to change without notice

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SLIT LAMPS TSL-4000 & TSL-7000 series

LED SLIT LAMPS

DELIGHT IN SIGHT

Exceptional optics.
Outstanding reliability.

TSL-7000H*digital*

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

TOMEY
TECHNOLOGY AND VISION

THE TOMEY TSL-4000 & TSL-7000 series

QUALITY IN DETAIL

Combining classic beauty with modern technology – our **TSL-4000** (3-step magnification) and **TSL-7000 series** (5-step magnification) 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-4000H & TSL-7000H

TSL-4000Z & TSL-7000Z

TSL-7000Z*digital*

TAT-100R / TAT-100T APPLANATION TONOMETER

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

EXCEPTIONAL OPTICS + LED

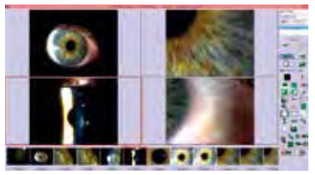
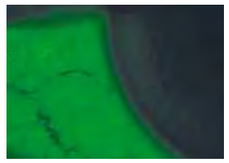
The passion for high quality optics is present in the entire optical system – accuracy and reliability give the absolute confidence in this system. LED is the preferred light source nowadays. Our LED has been selected for its use and performance with an ideal colour temperature and homogeneous light 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-7000H*digital* and TSL-7000Z*digital*) 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-7000H*digital* and TSL-7000Z*digital* 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.