SPECIFICATIONS

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

Туре	Galilean converging binoculars 8°			
Magnification	Rotating drum change			
• TSL-4000H	x10, x16, x25			
• TSL-7000H / TSL-7000Hdigital	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 i TAT-100R and TAT-100T optiona				
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			
Power supply output	12V DC / 2.5 A IEC / EN 60 6001			

SPECIFICATIONS

TSL-4000Z / TSL-7000Z / TSL-7000Zdigital

OPTICAL SYSTEM				
Туре	Galilean converging binoculars 8°			
Magnification	Rotating drum change			
• TSL-4000Z	x10, x16, x25			
TSL-7000Z / TSL-7000Zdigital				
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 BAS	iE			
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 TAT-100R and TAT-100T option				
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 plu compliant to EN 60601-1, EN 61000-6 EN 61000-6-3			
Power supply output	12V DC / 2.5 A IEC / EN 60 6001			

SPECIFICATIONS TSL-7000Hdigital / TSL-7000Zdigital

BASE UNIT Integral USB hub, jo	ystick trigger system, auto left/right o	letection, +/- camera expo	sure controls, freeze	frame image review con	trol	
ILLUMINATION SY	STEM round illumination system, blue filter t	or hackground illumination	a cuctom			
CAMERA SYSTEM		or background munimation	i system			
Resolution Connectivity	2 Megapixel: 1600 x 1200 USB 3.0	Chip size Frame rate	1 / 1.8" 17.5 fps	Sensor type	CCD	





SLIT LAMPS TSL-4000 & TSL-7000 series

DELIGHT IN SIGHT

Exceptional optics. Outstanding reliability.



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





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.







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.

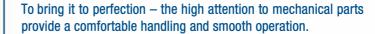






TAKE CONTROL

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.





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.













