



# PSL

Portable Slit Lamps

**Keeler**  
— A world without vision loss —

# PSL one and PSL Classic Hand-held and Portable Slit Lamps

The Keeler Portable Slit Lamp (PSL) is an AC-powered Slit Lamp biomicroscope intended to facilitate an examination of the anterior segment, or frontal structures and posterior segment, of the human eye, which includes the eyelid, sclera, conjunctiva, iris, natural crystalline lens and cornea which is accomplished through its lamp.

PSL Classic provides x16 magnification setting in addition to the fixed x10 magnification that's only present on the PSL one variant.

## Key features

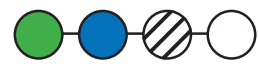
- Portable usability, with desk top Slit Lamp features, makes the PSL convenient to use, whilst retaining the fantastic optic quality from Keeler
- Perfect for use with the elderly, disabled, or young patients where a conventional Slit Lamp is not convenient or possible to use
- Precision machined aluminium chassis
- Continuously variable illumination, controllable from maximum to zero
- 1mm Square aperture for Uveitis assessment
- Fixation targets
- British built

### Slit wheel



### Filter wheel

Red free, Blue, Neutral density (0.8) and Clear



Lightweight, durable and robust



The PSL one  
10x magnification



The PSL Classic  
10x and 16x magnification

## Specifications

### PSL Slit and Filter System

SLIT TYPE	Rotating Slit wheel selection Slit Lamp
SLIT LENGTH	12mm
SLIT ANGLE	+/- 60°
FIXATION TARGETS	LED system, double click of trigger

### Biomicroscope

TYPE	Binocular Hand held Biomicroscope Slit Lamp
OPTICS	Converging binoculars at 13°
MAGNIFICATION	PSL one: 10x fixed PSL Classic: 10x and 16x, lever change

### OBJECTIVE LENS WORKING DISTANCE:

@ 10x	100mm (PSL one, PSL Classic)
@ 16x	80mm (PSL Classic)

### FIELD OF VIEW:

@ 10x	16mm (PSL one, PSL Classic)
@ 16x	10.5mm (PSL Classic)

### EYEPIECE DIOPTRIC ADJUSTMENT RANGE: +/- 7 Dioptres

### Weight and Dimensions

HAND HELD DEVICE	~900g, 238 x 116 x 210 mm
DOCKING STATION	300g, 205 x 138 x 40 mm

### Power Supply

POWER SUPPLY UNIT	Switch mode, (110V – 240V) 10% multi-plug
OUTPUT	30VA (12V DC 2.5A)

### Classification

The Keeler Portable Slit Lamp is designed and built in conformity with EC Directive 93/42/EEC and the ISO 9000 and EN 46000 series quality standards. The (European Community) mark attests that the Slit Lamp complies with the provisions of Annexes I, VI, and VII of EC Directive 93/42/EEC.

Classification: CE Regulation 93/42 EEC: Class I FDA: Class II Production processes, testing, start-up, maintenance, and repairs are conducted in strict conformity with the applicable laws and international reference standards.



Versatility and portability are key benefits of the Keeler PSL Slit Lamps

## The PSL

The PSL is an instrument consisting of a light source that can be focused to shine a thin sheet (slit) of light into the eye. It is used in conjunction with a biomicroscope. The lamp facilitates an examination of the anterior segment, or frontal structures and posterior segment, of the human eye, which includes the eyelid, sclera, conjunctiva, iris, natural crystalline lens, and cornea.

The binocular Slit Lamp examination provides stereoscopic magnified view of the eye structures in detail, enabling anatomical diagnoses to be made for a variety of eye conditions.

## Part Numbers

### Keeler PSL Portable Slit Lamps

3010-P-2000	PSL Classic with charger base
3010-P-2001	PSL one

### Accessory

3010-P-7000	Carrying case
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## PSL Overview

Versatility and portability are key benefits of the PSL Classic and PSL one Slit Lamps. With the strength to withstand the daily traumas of the demanding ophthalmic environment, the Keeler PSL is lightweight, durable and robust.

### Advanced optics

Top quality multi-layered glass is crafted into our Keeler multi-element and multi-layer coated optical system to give maximum performance. Clarity is guaranteed.

## What's in the box?

- Portable Slit Lamp illumination body and magnification optics
- Base charger unit
- Power supply – switch mode all voltages/frequencies
- User instructions and quick guide
- Lens cloth

### More Keeler Instruments

With over 100 years of industry experience, Keeler has become a household name among optometrists and ophthalmologists worldwide.

View our full range at

[www.keeler.co.uk](http://www.keeler.co.uk) | [www.keelerusa.com](http://www.keelerusa.com)

### Got a question? - Call us

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