



PSL

Portable Slit Lamps



IF & F
SERVICE SOLUTIONS

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

1x1

0.15

0.5

0.8

1.6

12

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 |



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

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