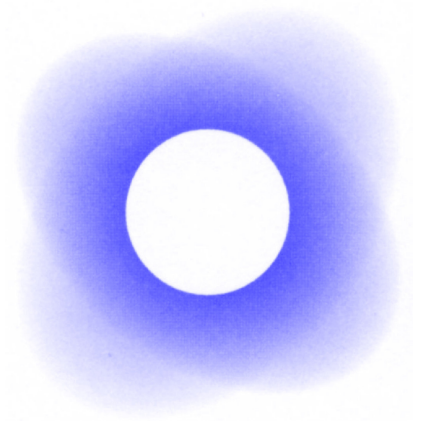


Optimec Limited

Model: Optisee

Users Manual and Operating Instructions



Optimec Limited



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Instrument set-up Details

Setting up the Optisee

- 1) Unpack carefully and Place the Cabinet Assembly on a firm worktop. Place the cell Assembly aside for use later. (See page 1)
- 2) Unpack the Cell Plate Assembly. (See page 2)
- 3) Loosen the Cell Plate Fixing Screws on the front panel of the Cabinet Assembly.
- 4) Refer to page 3. Place the Cell Plate mounting slots over the Cell Plate Fixing Screws and tighten the 2 fixing screws by hand.
- 5) The assembly should now look like the drawing on page 4

Adjusting the Optisee

- 1) The Optisee has 2 cell types available. One with a lens diameter measuring scale and one with no scale. Whatever cell type you have, fill the cell with 5 millilitres of 0.9% saline solution.
- 2) Connect the Optisee to your electricity supply and switch on at the Optisee front panel.
- 3) Place the cell on the Cell Plate Assembly, directly over the condenser lens..
- 4) You will see that the cabinet screen is illuminated but no clear image is displayed.
- 5) Refer to page 2. To adjust the light path for a good image follow this procedure. Place a contact lens in the cell and place the cell on the Cell Plate Assembly.
- 6) Adjust the upper mirror until the best illumination is shown on the screen.
- 7) Carefully adjust the lower mirror to give good illumination and image on the screen.
- 8) Whilst doing steps 6 and 7, use the focussing knob to ensure best focus of the image.

Using the Optisee

- 1) Fill the cell and ensure the contact lens is located in the cell 'V'
- 2) Use the focussing knob to focus through the contact lens to look for damage, tears, damage or deposits.
- 3) Use the cell with the diameter measuring scale to measure diameter directly.
- 4) Using the 'No Scale' cell to measure diameter. Ensure the periphery of the lens is in sharp focus on the screen. Estimate widest point across lens diameter and align the left hand edge of the lens with the 0 mark on the left hand side of the screen by sliding the cell from side to side. This will require that the top mirror is adjusted to align the projected image with the screen scale. Read of the lens diameter in millimetres on the right hand side of the screen scale.

Users Information

Use of the Optisee, Best practice

- 1) Always rinse and dry the cell after use. Flush with clean distilled water and dry with a clean lens cloth. Protect the cell and clean carefully to avoid the danger of scratches.
- 2) The Optisee is designed for on / off use. When the Optisee is not in use, always turn off the power to avoid heating the saline solution and subsequently changing the measurement parameters.
- 3) To avoid dust build up in the cell, always store upside down.
- 4) Use lens cloths only for cleaning cell and Optisee Optics.
- 5) If saline is spilled, disconnect the electricity supply and mop up with a clean damp cloth.

Routine and preventative maintenance.

- 1) To change the projection lamp, remove the Lamp Cover Plate Screw and then the Lamp Cover Plate. Pull out split tube from the rear of the lamp tube. Remove lamp and lamp-holder from the lamp tube. Remove lamp from lamp-holder and fit new lamp. Place new lamp / lamp-holder in the lamp tube and refit split tube. Ensure new lamp is correctly aligned. Replace Lamp Cover Plate and connect to electricity supply.
- 2) Keep the Optisee clean at all times, this will dramatically improve the life of the instrument. Most repairs of the Optisee are due to saline contamination and associated corrosion.
- 3) Should a fuse need to be replaced, use only the recommended replacement value. If the fuse does need repeated replacement, the user should contact a competent electrical engineer to determine the cause of the fuse failing.

Guarantee Conditions

Conditions of Guarantee.

The conditions and performance of Optimec instruments are guaranteed for a period of one year . The guarantee period commences from the date of sale. We guarantee the elimination of all faults arising from materials or manufacture. The guarantee will be fulfilled either by repair or replacement of faulty parts at our option. The guarantee does not apply to parts subject to wear nor to damage or defects caused by improper treatment or incorrect maintenance. No guarantee is granted for products that have been modified in any way unless agreed by the manufacturer in writing in advance.

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Technical Specifications

Model	Height	Width	Depth	Weight	Electrical Options	Projection Lamps	Approx. Power Consumption
	mm	mm	mm	Kgs			Watts
Optisee	290	235	265	6	100,110,120, 220, 230 Volts 50-60 Hz	12V 20W Quartz Halogen Dichroic Reflector Lamp	30

Fuse Rating	1 Amp Anti-surge
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The Optisee is an electrical apparatus that is connected to a to an electrical outlet to power it. This instrument should be treated with respect and any tampering with the internal wiring prohibited. The only reason to remove the Lamp Cover Plate is to replace a lamp. The warning plate fitted should be heeded and any electrical supply should be disconnected fully before replacing a projection lamp.

NOTE !! USE ONLY REPLACEMENT LAMPS AND REPLACEMENT FUSES THAT MEET THE ABOVE SPECIFICATION.

Failure to do so will void the guarantee and could cause a hazardous failure of the instrument.