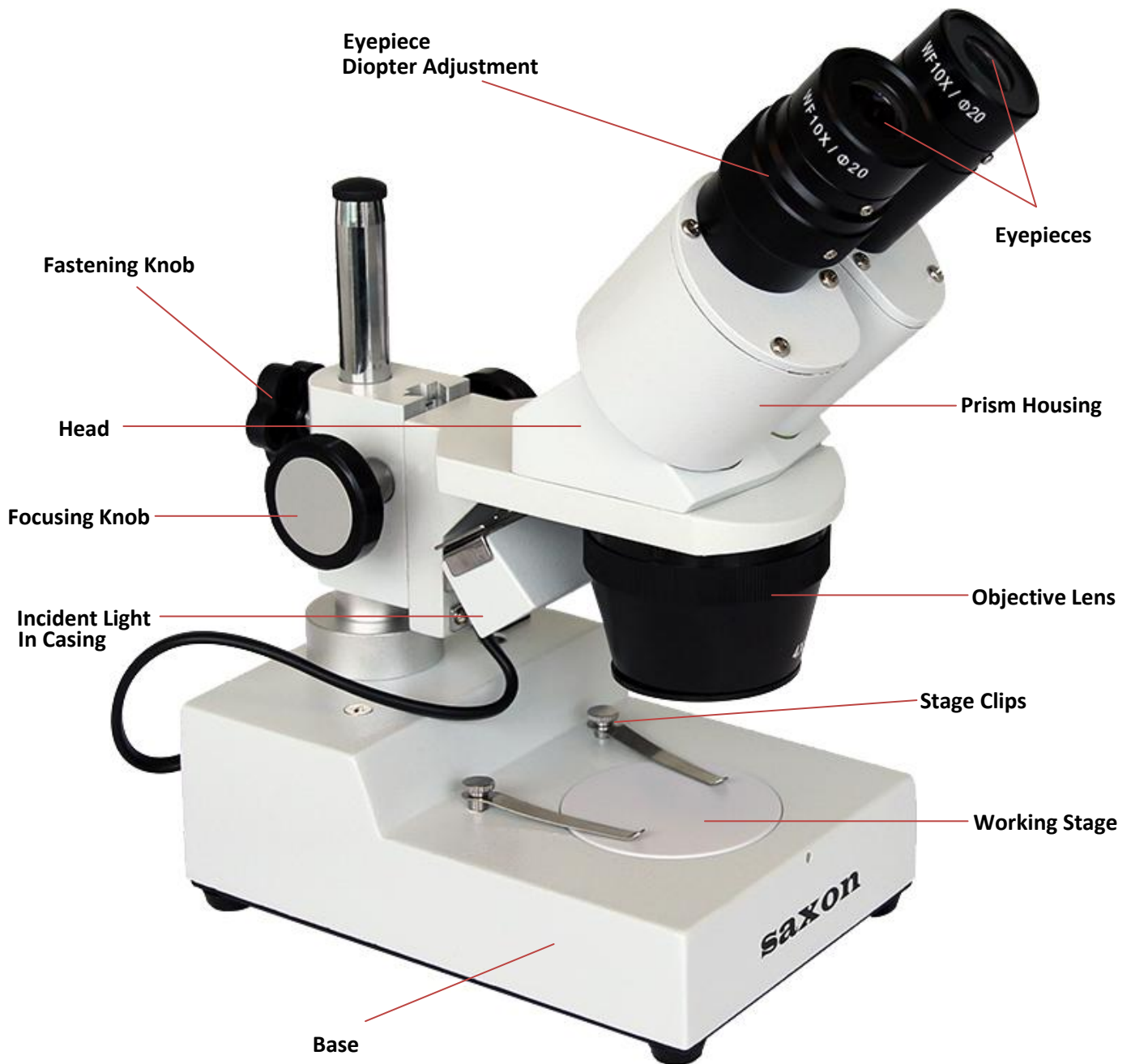


**saxon**  
high quality optics



saxon PSB X1-3 Deluxe Stereo Microscope 10x-30x  
Instruction Manual  
SKU# 312004

## saxon PSB X1-3 Deluxe Stereo Microscope 10x-30x Features



### WARNING!

- Do not use the mirror on the microscope to focus the sunlight through your microscope.
- Looking directly at the sunlight can result in irreversible eye damage.
- Your microscope is a precision optical instrument and should be handled with care at all times.
- Do not drop your microscope as such impacts may damage or misalign the optics in your instrument.
- Do not power down your microscope within five minutes of switching it on as this may reduce the effective lifetime of the lamp.
- Avoid using your microscope in direct sunlight, high temperature and humidity, dust and vibration.

## Product Disclaimer

This product is designed and intended for use only as a stereo microscope. Modifying this product in any way for use in any situation other than the original and intended product design will automatically void the warranty.

## Setting up your microscope

Remove the microscope and accessories from the box and identify all parts before assembling. When ready to begin, set the microscope on a stable surface. Your objective lenses should be pre-installed

If your microscope requires manual installation, please take the following steps:

1. Remove the eyepiece(s) from the packaging.
2. Slide the narrow end of the eyepiece(s) into the eyepiece holder.
3. Plug the power cord into a power outlet.
4. Your microscope is powered by an AC power. It is important to ensure the voltage coincides with that of the microscope.

## Operating the microscope

### Getting started

1. Switch on the power and the light(s) on your microscope should be illuminated.
2. Place and align the specimen/object to the centre of the working stage and where possible, hold it down with the stage clips.
3. Loosen the fastening knob and move the microscope head vertically until the object is within the appropriate working distance. Once this is complete, tighten the fastening knob.

### Focusing

1. To adjust the focus, start with the lowest magnification (10x) and work your way up. Rotate the objective head until the lowest magnification clicks in.
2. If needed, move the microscope head further or nearer to the object for a clear image.
3. Look through the eyepiece and turn the focusing knob until the image is clear.
4. You may also adjust the focus by turning the eyepiece diopter tube and rotate the prism housing to suit the interpupillary distance of your eyes.

### Changing magnification

Slowly turn the objective lens clockwise or anticlockwise to the desired magnification until you hear a click confirming the selected magnification is secured.

1. Ensure your specimen is sitting directly under the objective lens.
2. Rotate the focuser knob until the image comes to focus.

## Changing the stage

Depending on the type of microscope, there are two ways to change the stage

1. The stage can be removed and replaced by releasing the screw at the bottom front of the stand.
2. The stage can be removed and replaced by tilting it through the small gap where the stage sits.

## Illumination

Should there be a need to change the light bulb, unplug the electric cord and ensure the microscope has been switched off for at least 15 minutes.

### Incident Light

- i. Unscrew the casing and remove the light bulb (be sure that is cool enough to handle)
- ii. Insert the new bulb and screw the casing back on

### Transmitted light

- i. Carefully remove the stage and put aside.
- ii. Remove the bulb by releasing the screw.
- iii. Insert a new bulb and tighten it with screw.

### Caution

When handling a halogen bulb, it is recommended to wear gloves or cover the light bulb with protective sleeve. Oils and other materials from fingers may damage the bulb. If the bulb has been touched, clean with alcohol and cloth.

## saxon PSB X1-3 Deluxe Stereo Microscope 10x-30x

Specifications	
<b>Eyepieces</b>	Wide field 10x
<b>Objectives</b>	1x & 3x
<b>Magnification</b>	10x & 30x
<b>Working Distance</b>	57mm
<b>Focus</b>	Coarse focusing mechanism
<b>Stage Type</b>	Black/White Contrast Plate
<b>Stand</b>	Pillar
<b>Interpupillary distance</b>	55mm to 75mm
<b>Illumination Type</b>	LED
<b>Powered by</b>	Supplied AC Adapter
<b>Dimensions</b>	115 x 170 x 300 mm
<b>Weight</b>	± 2.3kgs

### What's included in the box

1x saxon stereo microscope  
2x Wide field 10X eyepieces  
1x Dust cover  
1x Black/White contrast plate  
2x rubber eye guard  
1x AC adapter  
1x Instruction manual

### You can also obtain the e-Manual from our website at

[www.saxon.com.au](http://www.saxon.com.au)

## We recommend the following accessories for your microscope

### saxon ScopePix Smartphone Adapter

Taking pictures through your optical instruments has never been easier with the saxon ScopePix Smartphone Adapter!

With its simple twist-lock adjustment you will be snapping pictures in no time.

Fits telescopes, binoculars, spotting scopes, and microscopes. Compatible with all smartphone models.



SKU# 615001

### saxon Resin Preserved Insects

The resin preserved insects are ideal for observing with any saxon stereo microscopes. These crystal clear preserved insects allow you to observe the insects from all angles.

You can also bundle your microscope with ScopePix Smartphone Adapter to capture images of these amazing preserved insects!



Available in:

**Scorpion**  
SKU# 310211

**Beetle**  
SKU# 310212

### saxon Ores Samples

12pieces rock sample kit perfect for young scientists to explore mineralogy. The 12piece ores included shale, gesso, calcite, grey rock, granite, marble, quartz, plant fossil, pencil stone, snake stone, phosphorite, and gritstone.



SKU# 312010

## You may also be interested with other microscope range

### saxon Biological Microscopes

Biological microscopes or compound microscopes are best used objects that are mounted on a slide.



### saxon Digital Microscopes

Digital microscopes are a great way to take pictures and videos of your specimen.



### saxon Gemological Microscopes

Gemological microscopes are often used to look at the cut and colour of gems, stones and jewels.



### saxon Microscope Accessories Range

Prepared slides, blank slides, eyepiece, microscope stage, and more!



Find out more about our microscope range and accessories here on [www.saxon.com.au/microscopes](http://www.saxon.com.au/microscopes)

## Caring for and cleaning your microscope

To ensure your microscope performs at its best, regular maintenance of your microscope is recommended.

Cover the microscope with the dust cover whenever it is not in use. This will prevent dust from settling on the mirror or lens surface.

When moving your microscope, carry it with two hands – one holding the arm and the other supporting the base. Never pick it up by the focusing knobs.

Do not dismantle or modify any parts of the microscope as either of this will void the warranty. (Unless noted on instruction manual)

Do not store microscope in direct sunlight or under direct indoor light.

Use only appropriate cleaning tools when cleaning your microscope. We recommend using a combination of the follow:

- A soft brush made from camel hair
- Optical cleaning solution and soft lint-free cloth
- Special lens paper

Clean the lens surface using an appropriate optical cleaning solution and always remember to dry the lens after. Do not wipe the lenses when they are dry as they can easily be scratched.

For the condenser and illuminator lens, only clean the top lens surface.

# **saxon**

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