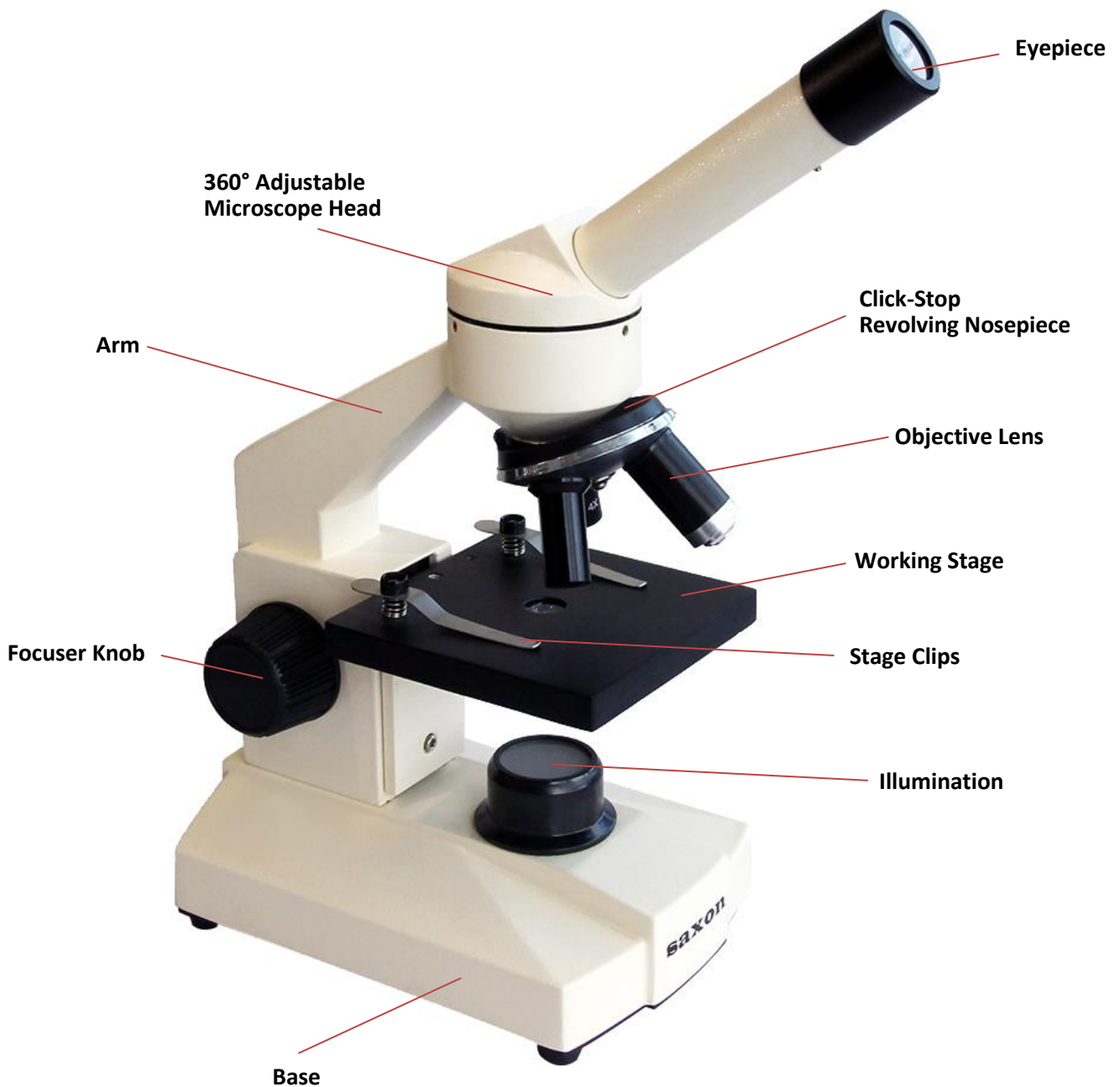


saxon
high quality optics



saxon SBM ScienceSmart Biological Microscope 40x-400x
Instruction Manual
SKU# 311001

Saxon SBM ScienceSmart Biological Microscope 40x-400x 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 biological 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 from the packaging.
2. Slide the narrow end of the eyepiece 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 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.

Focusing

1. Rotate the nosepiece and place the objective lens with the lowest power (4x) in the optical path. Make sure you hear a click that confirms it is in place.
2. Push the stage clips to insert a specimen slide.
3. Looking through the eyepiece, turn the coarse focuser knob to focus on the specimen until it comes into focus.

Changing magnification

Slowly turn the nosepiece 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.

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.

1. Unscrew the illuminator casing on the microscope base
2. Carefully remove the old bulb
3. Use a clean cloth to hold and insert a new bulb into the socket
4. Screw the casing back on

Caution

Do not touch the new bulb with your fingers as it could affect both the transmission of light and the duration of the bulb.

saxon SBM ScienceSmart Biological Microscope 40x-400x

Specifications	
Eyepieces	Wide field 10x
Objectives	4X, 10X & 40XR (Retractable)
Head Type	360 degree rotatable
Focus	Coarse focusing mechanism
Stage Type	89mm x 89mm mechanical stage
Nosepiece	Triple nosepiece with click stop
Illumination Type	LED
Powered by	Supplied AC Adapter or AA Batteries (not included)
Dimensions	110 x 160 x 300 mm
Weight	± 1.5kgs

What's included in the box

- 1x saxon biological microscope
- 1x Wide field 10X eyepieces
- 1x Dust cover
- 1x AC adapter
- 1x Instruction manual

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

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 Pre-Cleaned Blank Slides Kit

You too can immerse yourself in the world of biology! Discover the wonders of biology around you. Simply gather, prepare, and observe your specimen with the **saxon Pre-Cleaned Blank Slides Kit**.

Available in:

50pcs

SKU# 310050

100pcs

SKU# 310100



saxon Biological Microscope Prepared Slides

Our microscope slides are great for students of all ages, from home-schoolers to college students looking for an excellent introduction to microscopy. The prepared slides give you the most diverse possible biological selection. These slides are premium and machine cleaned giving a sharp image.

Available in:

50pcs Animals Slides

SKU# 310005

50pcs Plants Slides

SKU# 310100

100pcs Prepared Slides

SKU# 310010



You may also be interested with other microscope range

saxon Stereo Microscopes

Stereo microscopes or dissecting microscopes are best used when observing 3D objects or objects that are not 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

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.

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