

saxon
high quality optics



saxon ScienceSmart Stereo Microscope 20x
Instruction Manual
SKU# 312101

saxon ScienceSmart Stereo Microscope 20x 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

1. Carefully remove the microscope and accessories from the box and identify all parts:
 - 1x saxon stereo microscope
 - 1x Wide field 10x eyepiece (pre-installed)
 - 1x Contrast stage plate (pre-installed)
 - 1x Dust cover
2. The **saxon ScienceSmart Stereo Microscope 20x** comes assembled out of the box and is ready for use immediately. We strongly recommend that you study this manual carefully before operating your microscope.

Operating the microscope

Getting started

1. Your microscope operates at a fixed 20x magnification and relies on ambient lighting to illuminate the specimen being observed. It is therefore recommended to use the microscope in a well-lit environment.
2. Place and align the specimen/object to the centre of the working stage and, where possible, hold it down with the spring-loaded 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. You can use the stop limit to adjust the lowest position of the microscope head.

Focusing

1. Move the microscope head further or nearer to the object for a clear image.
2. Look through the eyepiece and turn the focusing knob until the image is clear.

Changing the stage

The stage can be removed by pushing it out through the underside of the base.

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Specifications	
Eyepieces	Wide field 10x
Objectives	2x
Magnification	20x
Head	360° Rotatable; 45° Incline Monocular Head
Working Distance	68mm
Focus	Coarse focusing mechanism
Stage Type	Black/White contrast plate
Stand	Pillar
Illumination Type	N/A
Dimensions	250 x 195 x 150 mm ³
Weight	±1kg

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

www.saxon.com.au

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.

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# 645001

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

Centipede
SKU# 310213

saxon Ores Samples

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



SKU# 310201

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

saxon

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#saxonmicroscope #fingerscrossedclearsky

Email: sales@saxon.com.au

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