

Instructions for Cat No 1014499

SERRATASCOPE

Universal Student Telescope Kit:

We have developed this simple student telescope kit to expose students to the operation and construction of a basic telescope optical system and to allow basic investigation into concepts such as focus, lens systems as well as basic observation skills.

The kit is simple, consisting of four components, easily put together and when assembled the telescope can be used for a variety of observations both terrestrial and astronomical.

Focussing is as easy as drawing the inner tube slowly away from the outer tube until a clear image is obtained.



Your Telescope Kits consists of the following:

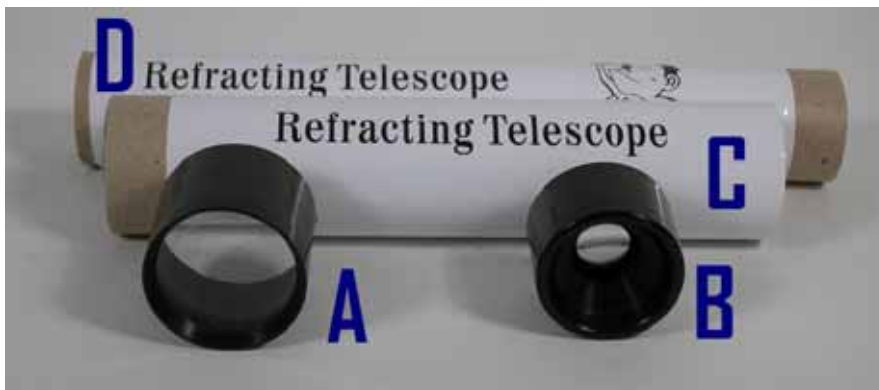
1. Objective Lens (**A**) - this is the large lens fitted to the larger tube and which receives the light waves from the image.
2. Eyepiece Lens (**B**) - this is the smaller lens which corrects and combines with the Objective lens to give a clear erect magnified (approx 8x) image.
3. Outer Telescope Tube (**C**) - (body) fitted with objective lens.
4. Inner Tube (**D**) (called the drawtube) fitted with eyepiece lens.
5. Instructions sheet.

To Construct:

1. Simply slide the objective (large lens) over the end of the telescope body.
2. Slide the eyepiece lens over the end of the drawtube.
3. Carefully slide the drawtube assembly into the telescope body tube.

Your telescope is now ready to use.

To operate - hold the eyepiece lens closest to your eye, select the desired image to be observed and slowly slide the telescope body away from you until a clear focussed image is seen.



With very distant objects such as the moon or stars a little practice is needed to hold the telescope steady because as distance from your eye to the object increases so then does the field of view increase whilst the object you are viewing occupies a smaller space in your field of view.

Store your telescope in the closed position preferably in a sealed plastic bag to prevent dust and mould (in very humid conditions) forming on the lens surfaces. Your telescope will give long and useful service if this simple precaution is observed.

Be aware of the fact that all images will appear upside down – this is normal and the way the telescopes work.

Helping You Teach is Our Business!