

INSTRUCTION SHEET

MODEL #94308



OBSERVER'S ACCESSORY KIT

Your Observer's Accessory Kit comes with the following accessories designed to enhance the functionality and versatility of your Celestron telescope.

- + 17 mm Plössl eyepiece (1.25")
- + 6 mm Plössl eyepiece (1.25")
- + 2x Barlow / T-adapter
- + #80A blue planetary filter
- + #25 red planetary filter
- + Moon filter
- + Microfiber cloth w/logo

EYEPIECES

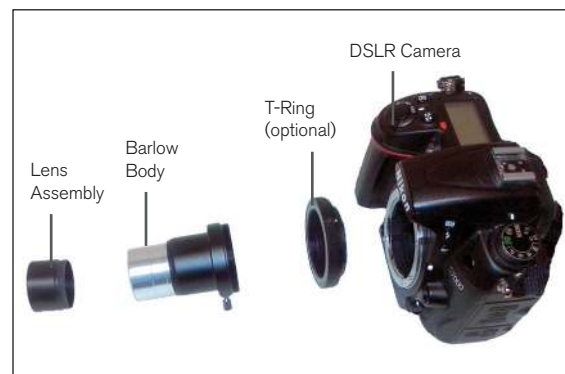
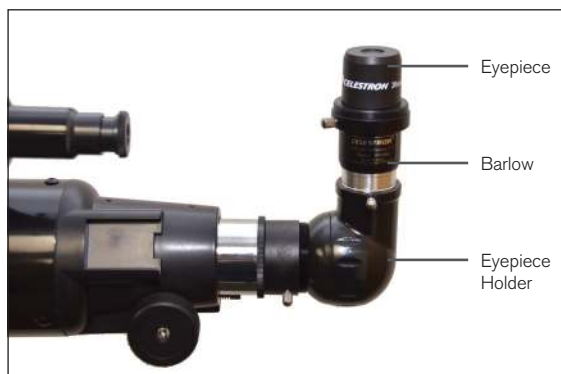
The accessory kit comes two eyepieces for medium to higher power viewing. The 17 mm eyepiece will give a medium power but wider a field of view, while the 6 mm is higher power but gives a narrow field of view. Consult your telescope's owner's manual for information on calculating magnification and field of view.

BARLOW / T-ADAPTER

The Barlow / T-adapter can be used in three ways:

- 1. Visual Barlow:** Use this to double the magnification of any eyepiece used in your telescope. To do this, install the Barlow lens between the eyepiece and the eyepiece holder of your telescope.
- 2. T-adapter:** Use this to attach a DSLR camera to your telescope for basic imaging. If you have a 1000 mm focal length telescope, the telescope will function as a 1000 mm telephoto lens. To do this, remove the black lens assembly from the bottom of the Barlow by unthreading it from the silver barrel. Insert the silver barrel into your telescope's eyepiece holder and secure it well using the set screws. Thread a T-ring (sold separately) onto the large threads at the back of the Barlow. Now attach your DSLR camera to the T-ring. To focus the camera, use the telescope's focus knob while looking through the viewfinder or by using "live preview" mode (if supported). Some short focal length telescopes or telescopes with limited inward focus travel may not reach focus with this method, but should still be able to work using the next method.
- 3. Teleconverter:** Use this to attach a DSLR camera to your telescope while doubling the focal length of the scope. If you have a telescope with a 1000 mm focal length, using this method will double the power of the telescope making it equivalent to a 2000 mm telephoto lens. To do this, insert the silver barrel into your telescope's eyepiece holder and secure it well using the set screws. Thread a T-ring (sold separately) onto the large threads at the back of the Barlow. Now attach your DSLR camera to the T-ring. To focus the camera, use the telescope's focus knob while looking through the viewfinder or by using "live preview" mode if your camera supports this.

NOTE: To connect your camera, you will need a DSLR with a removable lens assembly. T-rings are available through your local camera stores and must be purchased for the exact brand and model of camera that you own. The T-Ring attach to the body of the camera in place of the normal lens, allowing you to thread it securely to your T-adapter.



FILTERS

Eyepiece filters are an invaluable aid in lunar and planetary observing. They reduce glare and light scattering, increase contrast through selective filtration, increase definition and resolution, and lessen eye fatigue.

Celestron's filters are made of high quality, solid plane parallel glass with excellent homogeneity. The colored filters are anti-reflection coated to prevent glaring and ghosting. All eyepiece filters are threaded to fit Celestron's, and most other manufacturer's, 1 1/4" eyepieces.

To attach the filter onto the included eyepieces, simply thread the male thread on the filter into the bottom of the eyepiece barrel. Then insert the eyepiece (with filter attached) into star diagonal or focuser of your telescope.

#80A Light Blue Filter - 30% Transmission

- + Jupiter – Enhance the boundaries between the reddish belts and adjacent bright zones. Useful for viewing the Great Red Spot.
- + Mars – Very useful during the violet clearing. Helpful in studying surface features and polar caps.
- + Mercury – Improve observation of dusky surface markings at twilight, when the planet is near the horizon.
- + Saturn – Enhance low-contrast features between the belts and zones.
- + Venus – Useful for increased contrast of dark shadings in upper Venusian clouds.
- + Comets – Bring out the best definition in comet gas tails.

#25 Red Filter - 14% Transmission

- + Jupiter – Useful for studying bluer clouds.
- + Mars – Ideal for observation of the polar ice caps and features on the Martian surface. Sharpens the boundaries of yellow dust clouds.
- + Mercury – Improves observation at twilight, when the planet is near the horizon. During daylight, it reduces the brightness of the blue sky to enhance surface features.
- + Saturn – Useful for studying bluer clouds.
- + Venus – Use during daylight observing to reduce brightness of blue sky. Occasionally deformations of the terminator are visible.

Moon filter – 13% Transmission

Celestron's Moon Filter is an economical eyepiece filter for reducing the brightness of the moon and improving contrast, so greater detail can be observed on the lunar surface.

MICROFIBER CLOTH

The Celestron microfiber cloth will safely remove fingerprints and smears from optics without causing any damage or leaving residue. Use the cloth to gently rub across the surface of the optics. Don't rub in circles. For larger optics such as binoculars and telescopes, start in the center of the lens and rub out towards the edge.

WARRANTY:

Two year limited warranty. See the Celestron Accessory Catalog (#93685) for complete warranty details or contact Celestron #94308-INST

