



2" SCA Laser Collimator configuration
2" SCA adapter + 1.25" SCA Laser Collimator

Specification:

- Output power : Class IIIa, <5mW
- Wavelength: 650nm
- Operating temperature & humidity: 15°C ~ 40°C - < 70% relative humidity
- Storage temperature & humidity: -10°C ~ 60°C - < 70% relative humidity
- Battery: One 3V Lithium CR123
- Weight: apx. 1.25" @ 0.2 lb., 2" @ 0.4 lb. w/ battery
- Battery life: Up to 40 hours
- Size: 1.25" at 4.9" Length
2" at 6.0" Length

Detaching 1.25" SCA laser collimator from the 2" SCA Adapter:

1. Unthread the 1.25" compression ring in the counter-clock direction until the ring stops.
2. Press and step the 1.25" SCA Laser Collimator toward the 2" SCA adapter (see above illustration arrow direction), then pull out the laser.
The small step relieves the expanded rubber rings to none compression form, so it can be easily remove from the 2" adapter.

Installing 1.25" SCA laser collimator into the 2" Adapter:

1. Install the 2" SCA Adapter itself into a focuser using the same method described in the Newtonian Instruction sheet. Make sure the adapter is flush against the rim of your focuser.
2. Install the 1.25" SCA Laser Collimator into the 2" SCA Adapter by inserting the laser flush against the rim of 1.25" opening.
3. Thread the 1.25" compression ring to lock the laser in the 2" SCA Adapter. Check if the laser is installed properly by activating the laser and rotate the entire 2" SCA Adapter in the focuser and see if the laser dot is circling in the same place on your primary.
4. If the laser dot is circling in a large circle, the laser is not adapted properly. Loosen the 1.25" compression ring and press the 1.25" adapter flush against the 2" Adapter, hold on to the viewer section of the laser collimator, and tighten the 1.25" compression ring again. Repeat the step if the laser dot is still circling in a large circle. For more information please visit our website at www.hotechusa.com/collimator.html.

Maintenance:

1. If the SCA Laser Collimator is not to be used for an extended period of time, unload the battery from it to prevent possible damage from leaking battery.
2. After each use, wipe entire surface with a soft, dry cloth to prevent damage from perspiration accumulation.
3. Store the SCA Laser Collimator in its case, or sealed in a dry clean place, to prevent the lens from accumulating any dust or contaminants.
4. To clean the collimator, use an air spray to blow the front of the laser and wipe with a clean towel or cotton stick. Do not open the collimator. Call or email us if you have any question at info@hotechusa.com.

Q&A: The SCA adapter collimator stuck in the eyepiece holder.

Relief the rubber rings by unthreading the compressing ring in the unlock direction. Press the collimator back into the eyepiece holder. Gently pull straight out the collimator. If still bites in the eyepiece holder, repeat this process again.

Q&A: The SCA adapter cannot tightly fit in the eyepiece holder.

Your eyepiece holder's diameter is larger than standard tolerance. You may need to use your thumbscrew to slightly hold the laser collimator in place. The laser will not be perfectly centered but it has taken out most of the tolerances and keeps the laser close to your telescope's optical center.

Q&A: The laser does not turn ON.

Check if your battery is fresh or installed correctly (positive side toward the cap) see illustration in page 1. Change new battery if necessary.

Warranty:

SCA Laser Collimator is warranted against defects in material and workmanship for the natural life of the instrument for 1 year after date of invoice. Damage due to accident, alteration, misuse or abuse or damage resulting from repair by unauthorized parties is not covered. Any disassembling of the SCA Laser Collimator will void the warranty. 15% restocking fee may occur when returning the item for refund. Do not expose the SCA Laser Collimator in any dirty, dusty, or wet environment. Do not submerge the SCA Laser Collimator in the water. Exposure to extreme dirt and moisture may cause bad connection and disabling the laser and damaging the laser optics thus void the warranty. Please consult with our technical support personal for any problems you might have at Info@HoTechUSA.com.