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The SkyWatcher MAK127 telescope on the GSO AZ4 assembly is a combination of the perfect Maksutov optics with a diameter of 127 and a very stable, simple, intuitive and "fast" azimuthal assembly with micromovements. It works great as a "traveling" astronomical telescope or balcony, but also as a very good observation telescope and a telephoto lens for shooting aircraft at cruising altitudes. The Maksutov optical system is one of the most valued optical constructions, widely appreciated for its mobility, ease of use and multi-functionality. It is an excellent choice of both astronomical observations, as well as earth observations and aircraft observations. Excellent optics provide an extremely sharp image throughout the field of view. The telescope consists of the meniscus correction board, the main mirror and the secondary mirror placed on the inner part of the meniscus. These telescopes have a reduced coma and show only a substantial chromatic aberration, giving very sharp and expressive images. A great advantage of the Maksutov telescopes is the compact and compact design and light weight. Due to their large focal length and low light, they are perfectly suitable for planetary observations. This type of construction works well in urban environments, where the main emphasis is on solar system objects, not on nebulae. Usage Moon the planet nebulae planes scenery

Technical parameters of the optical tube

- Optical system: Maksutov - Cassegrain
- Lens diameter: 127mm
- Focal length of the lens: 1500mm
- Lighted: 1 / 11.8
- Switching capacity: 1,1'
- Theoretical range: 13th magnitude
- Maximum useful magnification: 250x
- Total weight of the tube: around 3.4 kg

Optical tube equipment

The set includes the following accessories:

- 1.25" focuser with T2 thread
- Glasses: Super 25mm (over 60x) and 10mm (over 150x) - 1.25" standard, 50° own field of view
- Angled mirror 90° (gives an uninverted, terrestrial image)
- Star Pointer type finder (collimator)
- Mounting rail in the Vixen / Meade / Sky-Watcher standard

Installation of GSO AZ4 ALT-AZ with micromovement

The multifunctional GSO azimuth assembly is a solid and stable way to mount and operate the telescope. Provides lifting capacity of up to 7kg instruments. It is especially recommended for beginners and intermediate enthusiasts of astronomy and nature observers. Simple targeting and movement behind objects

This assembly offers two modes of movement of the optical instrument. Properly selected bearings allow you to change the position of optical instruments through the pressure of your hands without the need for locks and other types of control. The squeegee gears allow for precise movement behind the observed objects by changing the position in both axes. This movement is carried out by manually operating the knobs. You do not need to move from one mode of movement to another, it is possible to apply both at once.

Universal and easy mounting of the optical instrument

The GSO azimuthal assembly is simple and compatible with most dovetail rails available on the market. Optical instruments for bird observation, such as observation telescopes and photographic equipment, can also be placed on rails of this type. The easy-to-use rail release mechanism allows quick replacement of the equipment. It also provides a quick correction of the position of optical instruments to establish the center of gravity.

Stable, height adjustable tripod

The GSO azimuthal assembly was mounted on a rigid field stand with adjustable height of aluminum legs in the range of 90cm to 130cm. It is possible to use the mount for photographic purposes on the optional dovetail photo rail. The tripod legs provide more stability than most standard photographic tripods as well as 360° rotation.

Simple setting and operation

The GSO azimuthal assembly has been designed mainly for astronomical observations, which will not require advanced astronomical knowledge. There is no need to set the polar or computer setting, also the power supply is not required. It is enough to mount the telescope and the system is ready for observation.

Destiny

This assembly is intended for small and medium telescopes, eg short refractors with diameter up to 130mm, 8" Schmidt-Cassegrain telescopes, compact Newtons up to 6" diameter. The assembly is up to 7kg, which allows a wide range of accessories. Thanks to the micro-movements knobs it will be possible to track objects at 300x magnification, and after gaining experience even higher magnification should not cause any problems. The GSO azimuthal assembly was designed in such a way that even longer telescope tube with a significant inclination did not interfere with the legs of the tripod, which is a common problem of azimuthal assemblies. The GSO assembly is also characterized by compact dimensions and low weight. If necessary, it can be disassembled into small, easy to carry parts that can be taken anywhere.

Basic technical parameters of assembly

- Material of the tripod: aluminum
- Weight of mounting with a tripod: 6.2 kg
- Lifting capacity: 7kg
- Microphone knobs: YES
- Squeegee bearings and gears for precise motion control

Warranty 2 years

Pictures of assembly GSO AZ4

Warning! This device focuses a lot of light. Looking directly at the sun through this device can result in partial or complete loss of vision. For the observation of the Sun, we recommend the safest method of spectacle projection, that is, projecting the image of the target of our day star on a piece of paper.

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