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Spinor Optics MAK-90 is a great optical tube in the Maksutov system with fantastically small dimensions, which, combined with an astronomical mount or a photographic tripod, can be an excellent exit observation tool. Perfect for a balcony and for weekend trips. The telescope works as a short balcony planetary spotter, providing very high contrast when observing bright and compact objects (Moon, planets, bright clusters and galaxies), because it is practically free of chromatic aberration and is not sensitive to atmospheric instability. In addition, it is a good choice for those who are looking for a very portable telescope with a lot of observation possibilities, one that will be a companion for many trips to the dark, rural sky, while occupying very little space in the trunk of the car. The Maksutowa-Cassegrain 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. The telescope also has a convenient and precise internal focusing system based on the adjustment of the spacing of mirrors, which gives a very

large adjustment range, allowing observation of objects at a distance from a few meters to infinity. As a result, the telescope handles any eyepieces, angle connectors or binocular caps without any problem. In addition, the telescope uses a built-in "flip mirror" system that allows a quick transition from visual to photographic mode, while attaching an observation eyepiece and a camera or CCD camera to the telescope. Such a solution significantly shortens the time of preparation for the photographic session due to the lack of the need to exchange observation accessories for photography. This system allows you to get the desired focus for both the observation eyepiece as well as the photographic eyepiece and immediately after changing the position of the internal mirror (without further preparation) taking the picture. An alternative use of this system is the ability to put on two glasses at the same time. Additional advantages

- focusing Focusing is performed not through the external sliding puller, but through the micrometer screw moving the main telescope mirror. This method of focusing the image provides a very wide range of sharpness adjustment, thanks to which virtually any astronomical accessories work well with the tube, and the clearances on the extractor simply do not exist.
- built-in tilting mirror flip mirror Mounting for mounting on a tripod The offered tube can be "hung" on any astronomical mount with a Vixen standard saddle and on tripods and other devices that have a 1/4 inch standard photo mount.




Usage Moon the planet clusters nebulae scenery Technical parameters

- Optical system: Maksutow - Cassegrain
- Active diameter (aperture): 90 mm
- Focal length of the lens: 1250 mm
- Lighted: 1/14
- Switching capacity: 1,5'
- Theoretical range: 11.7 magnitudes
- Maximum useful magnification: 180x
- Dimensions of the optical tube [cm]: 10 x 10 x 33
- Weight of the optical tube: 1.6 kg
- Weight of the set (tube, bag, all accessories): 2.3 kg

Equipment The set includes the following accessories:

- Two optical paths: upper 1.25" and bottom (thread for angular union + angled insert 1.25")
- Eyeglasses: PL 25 mm (over 50x) and 10 mm (over 125x) - 1.25" standard, 50 ° own field of view
- Angle prismatic 45 ° connector (gives an uninverted, terrestrial image)
- Star Pointer type finder (collimator)
- Comfortable soft carrying bag

Warranty 3 years 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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