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Spinor Optics 70/500 is a lens telescope (refractor) with a lens diameter of 70 mm and a focal length of 500 mm. Due to its construction and dimensions, it is easily portable and can be successfully treated as an expeditionary telescope (for holidays, for the plot, for a trip out of the city), as well as an excellent equipment for balcony astronomy or observation and nature riflescope. This telescope allows for relatively advanced visual observations of planets and the Moon, showing a significant amount of detail on the surfaces of these objects. In good observational conditions, it can reveal dozens of the brightest nebulae, galaxies and star clusters, mainly from the Messier catalog. A 1.25-inch focuser allows you to use any of the glasses made in this most popular standard. The whole is a perfect solution for beginners and intermediate enthusiasts of astronomy at a reasonable price. OFFERED TELESCOPIC LANDS TO START OBSERVATIONS IN THE FIRST FALLING NIGHT - INCLUDES ALL NECESSARY ACCESSORIES Usage Moon the planet star clusters nebulae scenery Technical parameters ⌀ Optical system: achromatic refractor ⌀ Lens diameter: 70 mm ⌀ Focal length of the lens: 500 mm ⌀ Lighted: 1/7 ⌀ Switching capacity: 1,5' ⌀ Theoretical range: 11.9 magnitudes ⌀ Maximum useful magnification: 140x ⌀ Dimensions of the optical tube [cm]: 8 x 8 x 48 ⌀ Height of the tripod [cm]: 60 - 115 ⌀ Weight: 2.5 kg Equipment The set includes the following accessories: ⌀ 1.25" focuser ⌀ Kellner glasses: 25 mm (20x, 40x with Barlow lens - optional) and 10 mm (over 50x, 100x with Barlow lens - with a set) - 1.25" standard ⌀ Barlow lens 1,25" / 2x (additional 2 magnification: 40x and 100x) ⌀ 6x24 targetting scope ⌀ Angle mirror 90° ⌀ Azimuthal AZ-2 assembly ⌀ Lightweight, stable aluminum tripod with accessory shelf Warranty 3 years EXPERT OPINION The Spinor Optics R-70/500 telescope allows you to conduct the first major astronomical observations, primarily solar system objects. Observations of the elements of the surface of the moon, the four largest moons of Jupiter, Saturn with rings or phases of the inner planets (Mercury and Venus) are extremely instructive, especially when they are carried out systematically (observation of changes in time). I recommend this telescope to aspiring astronomy enthusiasts, especially as an educational gift for children and adolescents. dr Marcin Misiaszek, Institute of Physics of the Jagiellonian University Pictures taken by this telescope (Moon, November 9, 2011, Krakow, Canon EOS 550d - click to enlarge) Additional product photos (lens telescope with a diameter of 70 mm and a focal length of 500 mm on a rigid azimuthal mounting with a height-adjustable field stand) (relatively short focal length makes the telescope very easy to transport, retaining high optical qualities) (70mm lens is relatively large observation possibilities, from craters on the Moon, through the details of planetary disks, to several dozen of the brightest nebulae, clusters, galaxies) (eyepiece with a connector of 90° and eyepiece, visible sighting device 6x24) (shelf for accessories and assembly brake) (in the set all the accessories necessary to start the first successful observations - 2 glasses and an angular connector) (telescope dimensions) 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. ADDITIONAL MATERIALS READ : BEFORE BUYING TELESKOP - GUIDE FOR BUYERS [PDF] READ : A SHORT OPTICAL CLEANER GUIDE [PDF] READ : HOW TO GET A COMPACT WITH A TELESCOPIC [PDF] PLEASE READ : HOW TO GIVE A DIGITAL MULTIPLE TELESCOPE [PDF]