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A powerful set for the power of planetary sensations! Sky-Watcher Dobson 8" telescope with a TMB 6 mm eyepiece dedicated to planet observation (click and read about the eyepiece). This telescope is ideal for observing nebular objects as well as open, spherical clusters and a number of beautiful galaxies. The use of additional filters, in particular the nebula filter, will enable us to improve the image quality of nebulae, in particular in places illuminated by artificial light. It should be remembered that within the scope of the telescope are also all planets of the solar system, but moreover, many of their moons, although the precision of conducting at high magnifications is smaller than in microscopes with micromovement. The telescope also performs well with observations of our natural satellite, though here due to the Quantity On ? lying ?wiat³a fall into a nearly full moon should use a filter, preferably a neutral gray (neutral density). A large, slightly over 20 centimeter mirror collects over 800 times more light than the human eye. The mirror is made of Pyrex glass, ie boron-silicon glass consisting of 8% boron oxide and 85% silicon oxide. It is the admixture of boron oxide that makes the mirror slightly lighter and, above all, has a lower coefficient of thermal expansion, which positively affects the quality of the images obtained. Of course, although the size of the mirror is important, the telescope is also very well designed and retrofitted. Focal length 1200 mm, giving light f / 6, perfect 2 inch Crayford lift with reduction to 1.25", large 9x50 finder, two K-25mm and 10mm glasses, and Dobson's intuitively simple azimuth mount. g has a T-2 thread that allows you to attach a DSLR camera to allow you to photograph bright objects (appropriate proper reduction is required for your camera, i.e. Canon, Nikon, Sony Alpha, Pentax or Olympus). Dobson's assembly is the simplest and the cheapest type of telescope assembly, which works very well in visual observations. Control of the assembly takes place by manually moving it in two axes, in the azimuthal (horizontal) plane and in the vertical (height) axis, which works well at low and medium magnifications. The telescope consists of an optical tube with dimensions of 112x23 cm and a weight of 8 kg as well as azimuthal assembly weighing 12 kg. The telescope is originally packed in two cardboard boxes and is collimated and prepared for observation after assembling the assembly. In addition to astronomical observations, this telescope works great in observing and photographing aircraft at cruising altitudes OFFERED TELESCOPIC LINKS TO START OBSERVATIONS IN THE FIRST FRONTLIGHT OF NIGHT - INCLUDES ALL NECESSARY ACCESSORIES, OPTICAL OPTICAL TUBE OPTION, SET WITH GLASSES AND DOOR INSTALLATION Usage Moon the planet star clusters nebulae planes (a complete Newton telescope mounted on Dobson's assembly) (main mirror - rear view) (Craford eyelet extractor and 9x60 finder) (powerful mirror ? = 203 mm, thin arms, secondary mirror) (in the set there is a adapter for glasses in the frame 2 inches / 50.8 mm) (telescope base equipped with an accessory shelf and a carrying handle) (accessories included: two 25 and 10 mm glasses, 2 "and 1.25" adapters) (Dobson's assembly - azimuthal - in motion in the height axis is counter-balanced with pressure handles on the side of the tube - on the photo the telescope 6") (rotation in azimuth, ie left-right, mounting mounted on Teflon washers - 6"telescope) Technical parameters â€¢ Optical system: Newton's headlamp â€¢ Diameter of the mirror: 203 mm â€¢ Focal length of the lens: 1200 mm â€¢ Lighted: 1/6 â€¢ Accuracy of the mirror's performance: 1 / 8? â€¢ Mirror glass type: Pyrex â€¢ Maximum useful magnification: 400x â€¢ Weight: 20 kg Equipment The set includes the following accessories: â€¢ Crayford focuser 2 "with 1.25" reduction and T2 thread â€¢ K-25 mm (over 48x) and 10 mm (over 120x) glasses â€¢ Dobson's assembly (azimuthal) â€¢ 9x50 finder with a cross OKBLE TMB PLANETARY II 6MM 1,25 " TMB 6 mm Planetary II is a short-range eyepiece offered by TMB Optical, a company created by the renowned apochromatic refractor designer, Tomasz Back. The 6 mm TMB Planetary II eyepiece is designed to achieve maximum contrast, detail and resolution when observing bright objects such as the Moon and planets, both on the optical axis and at the edges of the field of view. This eyepiece is characterized by a high transmission of light and minimal reflections. This allows you to achieve very high magnification with high quality mapping of objects in long-range refractors, reflectors and catadioptrical systems in average and better viewing conditions at the astonishing low price of the eyepiece. For example, in the 8 "f / 10 SCT telescope, this eyepiece achieves 333x magnification, which is close to the practical maximum magnification of atmospheric stability used in good and very good conditions. An eye relief of 12 mm is a good result for an eyepiece with such a short focal length. Vignetting occurs only in people who need to wear optical glasses during observations and it is small. Also, this is not a major disadvantage, because the TMB Planetary II series glasses are dedicated to observing planets, double stars, etc. objects that are compact and stay in the middle of the field of view, where the human eye has the maximum sharpness of the image. For telescope owners on Dobson assembly and other telescopes without drives, very small color fission and low level of other aberrations allows observation of planets drifting through the whole field of view (own 58 ° field) of the eyepiece, thus maximizing the observation time of the object between further telescope shifts. Although the eyepiece is optimized for observing the subtle details of the Moon and planets, the eyepiece characteristics allow equally efficient use of the eyepiece for separating compact double systems or observing globular clusters. â€¢ Focal length: 6 mm â€¢ Field of view: 58 ° â€¢ Distance of the exit pupil: 12 mm â€¢ Diameter of binding: 1.25 inches â€¢ Anti-reflective layers: FMC â€¢ 6-element eyepiece â€¢ Weight: 142 g Warranty 2 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.