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Telescope Celestron Astromaster 114 AZ is a classic Newton telescope on azimuth mount with micromovements. The whole is a very good introduction to the world of amateur astronomy. This telescope collects over 250 times more light than the human eye. The 114mm diameter telescope allows you to conduct many interesting observations of the moon, planets and many deep sky objects. With this telescope you will see, among others: ☉ craters on the moon - the result of cosmic collisions ☉ Mercury's and Venus' phases - evidence that they are moving closer to the Sun than Earth ☉ Mars shield ☉ belts in the atmosphere of Jupiter and its four moons - observing the changes in the positions of the moons of Jupiter, we watch the solar system in a miniature ☉ Saturn's ring with Cassini's break ☉ shields of Uranus and Neptune, planets unknown to the Ancient ☉ the brightest asteroids, such as Ceres and Westa ☉ comets - ice lumps traversed by the Solar System ☉ the color of stars, double stars and variable stars ☉ beautiful open clusters, such as Crib in Raku, hi chi in Perseus or Ptolemy Gromada in Scorpio ☉ globular clusters, of which Einstein said that they show the power of gravity, such as M13 or M53 in Warkocz Bereniki ☉ gas and dust nebulae, where new stars are born, such as M42 in Orion or North America in Łabędziu ☉ distant galaxies, such as the galaxy in Andromeda M31 or M33 in threesome. To carry out the above observations, a little commitment and patience is enough, and the results will be absolutely fascinating. In addition, the set includes a disc with The Sky Level 1 software. OFFERED TELESCOPIC LINKS TO START OBSERVATIONS IN THE FIRST FALLING NIGHT - CONTAINS ALL NECESSARY ACCESSORIES, OPTICAL OPTICAL TUBE OPTICS SET, ASSOCIATED WITH GLASSES AND ASSEMBLY ON A STEADY FIELD TRYLE Usage Moon the planet star clusters nebulae planes Technical parameters ☉ Optical system: Newton's telescope ☉ Lens diameter: 114 mm ☉ Focal length of the lens: 1000 mm ☉ Lighted: 1 / 8.77 ☉ Theoretical range: 12,5mag ☉ Maximum useful magnification: 230x ☉ Height of steel tripod: 106 cm ☉ Distance between the legs at the maximum tripod height: 110 cm ☉ Weight: 7.7 kg Equipment The set includes the following accessories: ☉ 1.25 "focuser ☉ Plossl glasses: 20 mm (over 50x) and 10 mm (over 100x) - 1.25 "standard, 50 ° own field of view ☉ Star Pointer scopes ☉ Azimuth mount with micromovements ☉ Adjustable height steel tripod ☉ Accessory shelf ☉ Educational CD "Sky Level 1" (in English) 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.