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The Messier AR-127S on the EXOS-2 GOTO is a combination of the 127mm fine quality of the Petzval lens (four-element neachromat) and the great German assembly with the Bresser / Meade AutoStar search system. A great set for advanced astrophotography, a favorite telescope for middle and high school schools! Optical tube Messier AR-127S is a high-quality achromat refractor dedicated to advanced visual observations and astrophotography. It is equipped with a lens with a diameter of 127 mm and a focal length of 635 mm made of 4 lenses (Petzval type construction). Thanks to this, despite the large light, the telescope is characterized by a large flat field of vision and a perfect correction of chromatic aberration. In the visual observations of the planets and the Moon it works perfectly, showing many details of the surfaces of the Solar System objects. Among the deep sky objects, you can see hundreds of nebulae from the Messier and NGC catalogs. The optics are fully covered with anti-reflective layers (MC). Equipped with a 4-inch (4-inch) focal length with the possibility of reduction to 2 inches and 1.25 inches. The MC layers on the lens significantly increase the contrast of obtained images and the eyepiece extractor allows the use of any spectacles made in 2-inch and 1.25-inch standards. This telescope is an excellent choice for advanced sky observers. Assembly Bresser EXOS-2 GOTO Assembly BESser EXOS-2 GOTO is a rigid tripod with a parallactic head equipped with a system of electronic search and positioning of GO-TO objects. Independent motion in the axis of right ascension (RA) and declination (Dec) takes place smoothly and evenly (with a small PE period error) thanks to four precision steel bearings. Precision worm gears allow the telescope to rotate and precisely track objects. Nine speed ranges allow you to quickly set the telescope to the desired area of the sky. The drive can be powered by 8 R20 batteries, through a cigarette lighter socket or with the help of an AC adapter. The assembly is intended for demanding observers. The AutoStar Meade # 497 system with GoTo system and a database of 30000 objects enables easy searching and tracking of planets, stars, star clusters, galaxies and satellites. The AutoStar controller has attractive routes in its database. Just enter the date, time and location. The AutoStar driver can be updated via resources available for download from the manufacturer's website (www.Meade.com). For example, you can download information about new comets and enter them into the assembly control database. Solid construction, excellent installation finish combined with a stable tripod allows for visual observations and top-level photography. This assembly is a modernized version of the Meade LXD75 assembly - it cooperates with cables and drivers for Meade LXD75 assembly. OFFERED TELESCOPIC LANDS TO START OBSERVATIONS IN THE FIRST FALLING NIGHT - INCLUDES ALL NECESSARY ACCESSORIES

Technical parameters of the optical tube

- Optical system: 4-lens achromatic refractor (Petzval)
- Diameter of the mirror: 127 mm
- Focal length of the lens: 635 mm
- Lighted: 1/5
- Switching capacity: 1,1'
- Theoretical range: 12,5mag
- Maximum useful magnification: 260x
- Weight of the optical tube: 8 kg

Technical parameters of assembly

- type of assembly: paralactic German class EQ-5
- drive: direct current motors with optical encoders in both axes
- GOTO system: yes, Meade # 497 Autostar driver with a database of over 30,000 objects
- remote control: yes
- illuminated polar field: yes
- software: Autostar Suite AE
- possibility of guiding: yes (vide : frequently asked questions, below)
- power supply: 12 V 8 batteries type D (R20) or optional power supply
- maximum load: 13 kg
- periodic error correction (PEC)
- HPP (High-Precision Pointing) system
- instructions in Polish: yes
- shelf for accessories: yes
- head weight: 6.3 kg
- counterweight: 1x 4.5 kg
- tripod weight: 2.9 kg
- height of the tripod: 68 - 108 cm
- field tripod steel, 2 "legs

Usage Moon the planet star clusters nebulae PC control Equipment The set includes the following accessories:

- 2 "focuser with reduction to 1.25"
- Okular PL 26 mm 1,25 "
- Spotting scope 8x50 with cross
- EXOS-2 GOTO parallactic assembly with AutoStar II system
- Steel tripod with 2 "leg diameter (50.8 mm)
- Shelf for accessories
- CD with AutoStar Suite AE software

Warranty 2 years (photos may slightly differ from the actual look of the telescope) Assembly photos EXOS-2 GOTO 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 : 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]