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. Celestron Astro Fi 102 mm is a robust and easy to use telescope for computerized assembly. The heart of this telescope is the optical tube $\varnothing = 102$ mm in the Maksutov-Cassegrain optical system. This 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. A distinctive feature of the Astro Fi series telescopes is the ability to remotely set the desired object using a free smartphone or tablet application. The telescope assembly is connected wirelessly via your own WIFI network with a mobile device with Celestron SkyPortal installed. This application does not require practically any preliminary knowledge and provides all important information about the observed star, planet or nebular object. It can also be used in many other ways, e.g. as a compass for orientation at the observation site.

Technical parameters

- Optical tube \varnothing Lens diameter: 102 mm \varnothing focal length: 1325 mm \varnothing lighted: f / 13 \varnothing resolution: 1.37 seconds \varnothing the maximum usable magnification: 241 times \varnothing minimal useful magnification: 15 times \varnothing Tracking speed: star, solar, moonlight \varnothing physical length with a diffuser: approx. 29 cm \varnothing type of optical system Maksutov-Cassegrain \varnothing optical layers: FC (fully coated - optics fully covered) \varnothing finder: StarPointer (collimator) \varnothing star range: 12.5 magnitudes
- Tripod \varnothing material: aluminum \varnothing maximum leg length: 112 cm \varnothing minimum leg length: 67 cm \varnothing distance between legs maximum: 97 cm \varnothing distance between legs minimum: 60 cm \varnothing the actual minimum height: 71 cm \varnothing the actual maximum height: 109 cm \varnothing mounting system: one-armed azimuthal
- Glasses \varnothing 25 mm Kellner (1.25 ") magnification 53 times \varnothing 10 mm Kellner (1.25 ") magnification 132 times
- Drive \varnothing rotation speed: up to 3 ° per second
- Application \varnothing application name: Celestron SkyPortal \varnothing the application works on operating systems: Android 4.0 and higher, iOS 8.0 and higher
- Net weight / gross: 7 kg / 11 kg
- Warranty 2 years