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GSO telescope in the Newton 203/800 CRF system on the Sky-Watcher EQ5 assembly GSO N-203/800 M-CRF OTA is a complete optical tube in the Newton system with the diameter of the main mirror 203mm and focal length 800mm (light F / 4). It is a versatile astronomical instrument that allows to conduct very advanced visual observations and astrophotography. It is equipped with a 2-inch focuser with a reduction of 1.25 inches with a microfitter 10: 1 , allowing the use of both standards of eyeglass frames and very precise focusing. As far as the observation possibilities of this tube are concerned, it can be used to observe objects of the Solar System (Moon, planets, asteroids, comets) as well as nebulae. In its range there are several thousand nebular objects (all objects of the Messier catalog and an important part of the NGC catalog). The optical tube can be mounted on any assembly with stiffness class EQ-5 or higher (HEQ5, EQ6, with GOTO or without), through the standard dovetail link in the Vixen / Sky-Watcher / Meade standard. The EQ5 (CG-5) parallact mount offers exceptional stability and precision along with many other high-performance features that are useful for anyone, even an advanced astronomer. The assembly head reliably rests on a wide platform mounting stand made of stainless steel and equipped with a useful accessory table. The set also includes a level indicator (level), adjustment of the geographical width setting along with a micrometer scale and an azimuthal polar setter for the polarity star. The EQ5 also has engraved aluminum adjusting rings and microcontroller knobs. Mounting can optionally be equipped with a polar spot scope and drive in one or two axes. Assembly weight: about 22kg. Characteristics of the optical tube Optical system â€¢ high, over 94% efficiency of the system and durability of the optics â€¢ parabolic mirror f / 4 â€¢ mirror cooling system Eyeglass extractor â€¢ 2 "lift equipped with a clamping ring â€¢ microprocessor with planetary gear 10: 1 â€¢ reduction of 2 "to 1.25" equipped with clamping ring â€¢ millimeter scale for easier focusing of images Equipment â€¢ complete optical tube â€¢ 8x50 mm finder with illuminated cross â€¢ tube clamp â€¢ dovetail rail in the Vixen Sky-Watcher / Meade standard â€¢ 2 "/ 2" 35mm bushing with brass pressure ring Technical parameters â€¢ Optical system: Newton's headlamp â€¢ Diameter of the mirror: 203mm (8 ") â€¢ Focal length of the lens: 800mm â€¢ Lighted: 1/4 â€¢ Accuracy of the mirror's performance: 1 / 8? â€¢ Switching capacity: 0.68 " â€¢ Theoretical range: 13,5mag â€¢ Maximum useful magnification: 400x â€¢ Length of the optical tube: 710mm â€¢ Weight of the optical tube: 8,6kg Usage Moon the planet star clusters nebulae astrophotography Warranty 2 years (complete optical tube with a diameter of 203mm on the EQ5 class parallactic assembly) (included: tube with optics, 8x50 finder with cross, tube clips, dovetail 43mm width, 35mm "extender" sleeve, EQ5 with micromovement, steel field tripod) (thin arms fastening the secondary mirror ensure minimized diffraction) (mirror cooling system - windmills) (Crayford 2 "/ 1.25" focuser with clamping ring and micro-processor 10: 1) (adapter for 2 "glasses included) Assembly photos Sky-Watcher EQ5