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The EQ-5 GOTO Synscan by SkyWatcher offers a simple solution for reasonable money for people who want to equip their telescope with the GoTo search and tracking system, but do not want a heavy and expensive HEQ5 or EQ6. The EQ5 parallactic assembly SynScan uses similar solutions as HEQ5 / EQ6 and contains a database of over 13,000 objects. At the same time, it guarantees a high comfort of work and the precision of finding objects while maintaining a much smaller mass compared to their larger counterparts. Mounting characterized by a lifting capacity of 9 kg allows mounting on mounting many instruments from small refractors to large ED120, Mak180 or 8-inch Newton or Schmidt-Cassegrain. The database contains 25 definable objects by the user, as well as a full database of Messier, NGC and IC objects (a total of 13436 objects). The pilot has also been programmed to easily find planets or the moon. Among its advanced features, it is worth paying attention to programmable periodic error correction (PEC) as well as PC ports to control the telescope using a computer (RS-232 port). The following alignment procedures are available: One-star Alignment, Two-star Alignment, Three-star Alignment. Technical parameters: EQ5 SynScan assembly, version 3
power supply: 11-15 V, power consumption 2A
drive type: stepper 1.8 °
resolution: 0.288 seconds of a second
travel speeds: 0.5x, 1x, 8x, 16x, 32x, 64x, 400x, 500x, 600x, 800x
Tracking speed: star, moon, solar
tracking mode: RA (right ascension)
alignment procedures: One-star Alignment, Two-star Alignment, Three-star Alignment
database: 13740 objects: planets, named stars, double stars, variable stars, Messier, IC, NGC, Caldwell and new user-defined objects
Auto-Guide port for precise alignment during photography using a professional camera; AutoGuider type ST-4, handling speed 0.25x, 0.5x, 0.75x and 1x
program PEC correction (periodical assembly error)
PC port to control the telescope using a computer (RS-232 port)
compatibility with ASCOM - protocol and commands compatible with NexStar 5i allows control of assembly from many popular planetarium type programs
assembly type: parallactic German
way of mounting the optical tube: universal dovetail
microcaps: RA & Dec (controlled by the drive)
tripod: 1.75 "steel
Counterweight rod diameter: 20 mm
material for the counterbalance rod: stainless steel
tripod height: 71-123 cm
tripod weight: 5.07 kg
counterweight: 2 x 5.1 kg
maximum lifting capacity: about 10kg
Warranty 2 years