MEADE®

LX90™

The best of both worlds.
The value of our premium Schmidt-Cassegrain or the unsurpassed performance of Advanced Coma-Free.

LX90-SC

Meade's Schmidt-Cassegrain (SC) optics give you high performance for the best possible price. For the person looking to get the most from their astronomical dollar, look no further. Meade uses water-white glass with superior light transmission across the entire visible spectrum, unlike inferior standard plate glass used by other telescope manufacturers. Combined with our industry-leading Ultra-High Transmission Coatings (UHTC) – with 15% better light transmission than standard coatings – and oversized, thermally-stable Pyrex® primary mirrors for optimum light collection, you get a spectacular viewing experience not available on comparable competitors' telesscopes.

LX90-ACF

For the truly discerning astronomer who will not tolerate anything but the very best, there is Meade's Advanced Coma-Free (ACF) optical system. ACF takes all of the features of our SC models and then ups the ante. With it's technologically superior optical design, ACF gives a flatter, coma-free field of view with pinpoint images all the way to the edge of the field, rivaling Ritchey-Crétien performance at a fraction of the cost. ACF is the perfect solution for the serious astroimager or visual astronomer looking for observatory-class optics.

FEATURES

- **GPS**

  LX90 can do more than track satellites. It talks to them as well. Turn it on and the built-in Sony® GPS sensor immediately determines your precise date, time and location. EasyAlign™ then uses this info to align your scope for a tour of the most spectacular sights in the universe.

- **Easy Align™**

  LX90s are smart scopes that know the night sky right out of the box. Easy Align picks two alignment stars for you and places them right in your viewfinder. Just center them to fine tune your alignment and the wonders of the universe are at your fingertips.

- **Rigid Cast Aluminum Fork Mount**

  The Meade LX90's Optical Tube Assembly is mounted on two sturdy fork arms giving you a rock solid platform for astrophotography. 4.875 inch precision worm-gear drives, not spur gears, give you the ultimate in tracking and pointing accuracy.

SPECIFICATIONS

Optical Design	Available with Advanced Coma-Free or Schmidt-Cassegrain	Available with Advanced Coma-Free or Schmidt-Cassegrain	Available with Advanced Coma-Free or Schmidt-Cassegrain
Clear Aperture	8" (203mm)	10" (254mm)	12" (305mm)
Focal Length, Focal Ratio	2000mm f/10	2500mm f/10	3048mm f/10
Optical Tube Dimensions (D x L)	9.1" x 16.75"	11.75" x 22"	13.6" x 25"
Optical Coatings	MgF2 on correcting plate (2-sides); standard aluminum on primary and secondary mirrors		
Ultra-High Transmission Coatings	Included	Included	Included
GPS	Sony®GPS	Sony®GPS	Sony®GPS
Included Eyepiece	26mm Series 4000 Super Plössl (All Models)		
Viewfinder	8x50	8x50	8x50
Telescope Mounting	fork-type; double tine	fork-type; double tine	fork-type; double tine
Setting Circle Diam. RA & Dec.	RA: 8"; Dec: 5"	RA: 8"; Dec: 5"	RA: 8"; Dec: 5"
GO TO Pointing Precision (approx.)	5-arc minutes	5-arc minutes	5-arc minutes
Pointing Precision, High Prec. Mode	3-arc minutes	3-arc minutes	3-arc minutes
Slow-Motion Controls	electric, RA and Dec	electric, RA and Dec	electric, RA and Dec
#497 Autostar Hand Controller	PIC 16C57 microcontroller; 2 line x 16 alphanumeric character display; 20-button keypad, red LED		
Batteries (user-supplied)	8 x C-cells	8 x C-cells	8 x C-cells
Battery Life (approx.)	60 hrs.	60 hrs.	60 hrs.
Onboard Celestial Object Database	30,223 objects	30,223 objects	30,223 objects
Slew Speeds	sidereal, lunar, or custom-selected from 2000 incremental rates		
Tracking Rates	RA and Dec: 1x, 2x, 8x, 16x, 64x, 128x sidereal and 1.5°/sec., 3°/sec., 6.5°/sec.		
Tube Body	aluminum	aluminum	aluminum
Mount Castings	aluminum	aluminum	aluminum
Primary, Secondary Mirrors	Pyrex® glass	Pyrex® glass	Pyrex® glass
Correcting Plate/Lens	clear water white glass	clear water white glass	clear water white glass
Telescope Weight	33 lbs.	50 lbs.	60 lbs.
Tripod Weight	19 lbs.	19 lbs.	19 lbs.
Field Tripod Height	30" to 44" variable	30" to 44" variable	30" to 44" variable
Advanced Coma-Free P.N. UPC	0810-90-03 7 09942 37022 5	1010-90-03 7 09942 37023 2	1210-90-03 7 09942 37024 9
Schmidt-Cassegrain P.N. UPC	0810-90-05 7 09942 37019 5	1010-90-05 7 09942 37020 1	1210-90-05 7 09942 37021 8

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