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Meade LX90 8in Advanced Coma Free with UHTC

AUD
\$3,995.00

Product Images



Short Description

- 8" f/10 Advanced Coma-Free Optics - 2000mm focal length
- Ultra-High Transmission Coatings (UHTC)
- Standard Field Tripod
- AudioStar™ handbox with speaker and Astronomer Inside™

Description

The patented Meade Advanced Coma-Free (ACF) optical design offers the coma-free pinpoint star images and flatter image fields greatly desired by discerning amateur astronomers, astrophotographers and professional observatories alike. This system also reduces the astigmatism and eliminates the diffraction spikes found in classical Ritchey-Chrétien designs. No competing Schmidt-Cassegrain Telescope can make those claims.

The 8" LX90 has an 8" diameter f/10 ACF optical system (focal length 2000mm) and Ultra-High Transmission Coatings (UHTC) for maximum image brightness and contrast. Electronics include the advanced Meade AudioStar™ computer system with over 30,000 object library, multiple guided tours, High Precision Pointing capability, and Meade SmartDrive with Permanent Periodic Error Correction.

Precise and quick star alignment is done near effortlessly with an incorporated 16 channel genuine Sony GPS receiver. The AudioStar™ is flash-updatable via free downloads at Meade.com (optional cable required).

All LX90 models feature the solid and stable LX90 aluminum double fork mount, with fast slew speed adjustable from 1 to 7 degrees per second. Fine slewing and photographic guiding speeds can be adjusted from .01x to 1x sidereal in one one-hundredth increments. The mount and all electronics are internally powered by 8 (user supplied) C-cell batteries which will typically operate the telescope for a generous 60 hours (optional Meade Universal AC adapter also available). The mount also has mechanical locks in both axis allowing adjustment even without power.

The LX90 comes fully equipped with a heavy duty height adjustable Meade Field Tripod, 1.25" diagonal prism, Series 4000 26mm 5-Element Plössl eyepiece, and Meade AutoStar® Suite Astronomer Edition Software for PC and an 8x50 optical viewfinder with quick release bracket. Scope weight is 33 pounds with 19 pound tripod. Ships in 2 boxes.

Product carries full 3 year Australian Warranty.

Specifications

CLEAR APERTURE	8"
OPTICAL DESIGN	Advanced Coma-Free (ACF)
OPTICAL COATINGS	UHTC™
FOCAL LENGTH	2,000mm
FOCAL RATIO	f/10
RESOLVING POWER (DAWES' LIMIT)	0.570 arc-seconds
OVERSIZED PRIMARY MIRROR	Yes
VIEWFINDER	8x50mm with cross-hair reticle
EYEPIECE(S)	26mm Series 4000™ Super Plössl
FOCUSER MECHANISM	Single Speed Focuser
DIAGONAL	1.25" diagonal prism
MOUNT TYPE	Fork type; double-tine
HAND CONTROLLER	AudioStar™
OBJECT DATABASE	30,000 objects
POINTING PRECISION (HIGH-PRECISION MODE)	1.5 arc-minute (+/-)
PERIODIC ERROR CORRECTION	Polar mode only (RA)
SLOW MOTION CONTROLS	Electronic
SLEW SPEEDS	RA and Dec:1x, 2x, 8x, 16x, 64x, 128x sidereal and 1.5°/sec., 3°/sec., 6.5°/sec.
TRACKING RATES	Sidereal, Lunar, or custom-selected from 2000 incremental rates
CONTROL PANEL	12v Power port, On/Off Switch, Handbox port, 2x Aux ports
TRIPOD	Standard Field Tripod
POWER	(Optional) 12v DC, 5 amp power supply
BATTERIES (USER-SUPPLIED)	8 x C cells
GPS RECEIVER	Yes
ELECTRONIC FOCUSER	Optional
SMART DRIVE™	Yes
ASTRONOMER INSIDE™	Yes
WEDGE	Optional