



Sirius Optics
Unit 1
26 Darnick Street
Underwood, Qld 4119

Opening Hours

10am-5:30pm Mon-Fri
9am-2pm Sat

Phone: 07 3423 2355
www.sirius-optics.com.au

Meade LX90 10in Advanced Coma Free with UHTC

AUD
\$5,299.00

Product Images



Short Description

10" f/10 Advanced Coma-Free Optics - 2500mm 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-Chretien designs. No competing Schmidt-Cassegrain Telescope can make those claims.

The 10" LX90-ACF has a 10" diameter f/10 ACF optical system (focal length 2500mm) and Ultra-High Transmission Coatings (UHTC) for maximum image brightness and contrast. Electronics include the advanced Meade 497 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 viewfinder with quick release bracket. Scope weight is 50 pounds with 19 pound tripod. Ships in 2 boxes.

Product carries full one year Meade limited factory warranty.

Specifications	Series	LX90 Telescopes
	Warranty	1 Year
	Experience Level	Intermediate
	Clear Aperture	10"
	Optical Design	Advanced Coma-Free (ACF)
	Optical Coatings	UHTC™
	Focal Length	2,500mm
	Focal Ratio	f/10
	Resolving Power (Dawes' Limit)	0.456 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
	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 Source	(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
	Anti-vibration Pads	Optional
	Wedge	Optional