

Meade LX200 ACF 10in F/10 with Standard Field Tripod

AUD
\$6,999.00

Product Images



Short Description

10" f/10 Advanced Coma Free Optics - 2500mm focal length

Ultra-High Transmission Coatings (UHTC)

Standard Field Tripod

AutoStar II GOTO system

Description

This 10" LX200-ACF has 10" diameter f/10 ACF optics (focal length 2500mm) and Ultra-High Transmission Coatings (UHTC) for maximum image brightness and contrast. Features the advanced LX200 AutoStar II computer system with 145,000 object library, multiple guided tours, High Precision Pointing capability with sub arc-minute pointing accuracy, and Meade SmartDrive with Permanent Periodic Error Correction.

Precise and quick star alignment is done near effortlessly with Meade's level north technology alignment system incorporating a 16 channel GPS receiver. The Autostar II is flash-updatable via free downloads at Meade.com (optional cable required). The drive base of the telescope has multiple input and output ports including an RS-232 PC interface and jacks for a (user supplied) CCD Autoguider and illuminated reticle.

Mechanically loaded as well all LX200 models feature a primary mirror locking mechanism, which effectively prevents movement of the primary mirror during long exposure astrophotography or observing. Turn the lock knob located just above the telescopes main focus knob and the progressive-tension primary lock completely cancels any residual image shift due to mirror movement during visual, photographic, or imaging applications.

All LX200-ACF models feature the DC-servo driven super heavy duty double fork mount, the strongest and most rigid mount in its class. Fast slew speeds are from 1 to 8 degrees per second, and can be user selected at .1 degree per second increments, while 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 around 20 hours (optional Meade Universal AC adapter also available). The mount additionally has mechanical locks and slow motion manual controls in both axis if for some reason you found yourself without power.

The LX200-ACF comes fully equipped with a heavy duty height adjustable Meade Field Tripod, 1.25" diagonal prism, Series 4000 26mm Plössl eyepiece, 8x50 viewfinder with quick release bracket and Meade AutoStar® Suite Astronomer Edition Software for PC. Scope weight is 65 pounds with 19 pound tripod. Ships in 2 boxes.

Product carries full one year Meade factory limited warranty.

Additional Information

Specifications

Series	LX200 Telescopes
Warranty	1 Year
Experience Level	Intermediate, Advanced
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
Mirror Lock	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	AutoStar® II
Object Database	145,000 objects
Pointing Precision (High-Precision Mode)	1 arc-minute (+/-)
Periodic Error Correction	Both Axes
Permanent Periodic Error Correction (PPEC)	Yes
Slow Motion Controls	Mechanical & Electronic
Slew Speeds	RA and Dec: 0.01x to 1.0x sidereal, variable in 0.01x increments; 2x, 8x, 16x, 64x, 128x sidereal; 1°/sec. to 2°/sec., variable in 0.1° increments.
Tracking Rates	Sidereal, Lunar, or custom-selected from 2000 incremental rates
Control Panel	12v DC in, 12v DC out, Power, Focuser, Reticle, Handbox port, 2x computer connection ports (RS232), 1 Aux guide port
Tripod	Standard Field Tripod
Power Source	(Optional) 12v DC, 5 amp Meade Universal Power Supply
Batteries (User-Supplied)	8 x C cells
GPS Receiver	Yes
True Level & North Sensors (LNT)	Yes
Time Chip	Yes
Electronic Focuser	Optional
Smart Mount™	Yes
Smart Drive™	Yes
Anti-vibration Pads	Optional
Wedge	Optional