



MEADE INSTRUMENTS

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CORONADO SOLARMAX II

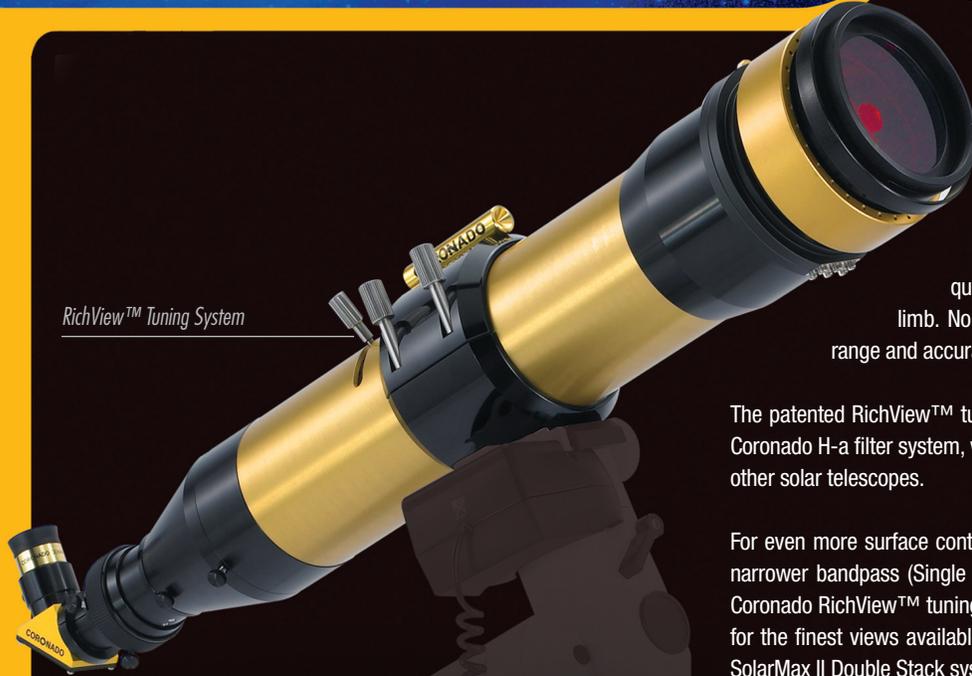
The Coronado SolarMax II™ from Meade Instruments introduces an incredible breakthrough in solar observing with the revolutionary RichView™ tuning system, built into every SolarMax II. Now you can zero in on the most precise wavelength of light for each area on either side of the hydrogen-alpha (H- α) line for the highest contrast views of active regions, flares, filaments and other surface features or quickly retune for spectacular images of prominences on the solar limb. No other commercially available H- α telescope provides the tuning range and accuracy of the SolarMax II.

The patented RichView™ tuning system works by directly tuning the etalon, the heart of the Coronado H- α filter system, which gives you greater tuning range and detail than that found on other solar telescopes.

For even more surface contrast and detail, the SolarMax II Double Stack system gives you a narrower bandpass (Single Stack $>.7$ Angstroms to Double Stack $>.5$ Angstroms). Only the Coronado RichView™ tuning method allows you to fine tune both etalons in the Double Stack for the finest views available to the amateur. If you want the ultimate in solar observing, the SolarMax II Double Stack system delivers.

All SolarMax IIs come with mounting rings, SolRanger finder scope, CEMAX eyepiece(s) and padded travel case.

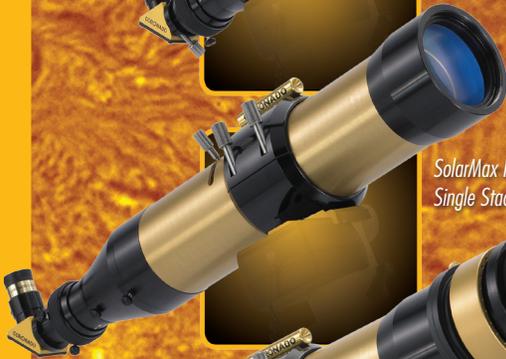
RichView™ Tuning System



*SolarMax II 60
Single Stack*



*SolarMax II 60
Double Stack*



*SolarMax II 90
Single Stack*



*SolarMax II 90
Double Stack*

AVAILABLE MOUNTS



LX80 MULTI-MOUNT

LX80 Mount and Tripod, clamshell mounting rings, Meade's Audiostar Controller (GEM/alt-az mount suitable for all SolarMax II units).



DS SERIES MOUNT

DS series mount, tripod and OTA bracket with Meade's 497 Autostar Controller (computerized alt-az mount suitable for PST & SolarMax II 60).



PST (PERSONAL SOLAR TELESCOPE)

The world's most popular telescope to observe the Sun. This 40mm diameter, highly portable dedicated solar telescope features completely internal non-removable and student safe solar filtering optics with a >1.0 angstrom hydrogen-alpha (H- α) bandpass for great surface detail. The PST will show you the dynamic, ever changing prominences at the edge of the Sun as well as filaments and other surface details in amazing detail, all in the brilliant and distinctive red color of hydrogen-alpha light. The PST represents the same technology and quality that goes into a SolarMax II series telescope available at a cost that is less than some premium eyepieces. The PST features a 40mm diameter H- α optical system with 30mm internal etalon, blocking filter, incorporated focuser, bandpass tuning ring and built in solar viewfinder. Tripod not included.

Mounting options include use on a standard photo tripod (scope is threaded for a standard camera 1/4-20 mounting bolt), use of a Coronado Malta table top tripod (sold separately) or the Meade DS mount with computerized Autostar and GoTo technology. A custom hard case is additionally available separately. Open up a whole new world of astronomy with the Coronado PST.



CEMAX EYEPIECES

In the construction of solar filters and associated instrumentation, Coronado takes enormous care to optimize contrast by minimizing the number of components and designing them so that they do not create residual reflections and spurious light near the image. The CEMAX (Contrast Enhanced) series eyepieces are designed with this same goal. Specifically designed for use at H-alpha wavelength and multi-coated on every surface (including cemented surfaces), the CEMAX eyepieces are the ultimate in contrast enhancement for the solar observer. **THE CEMAX EYEPIECES ARE NOT FILTERS AND FOR SOLAR OBSERVING MUST BE USED IN CONJUNCTION WITH A SOLAR-SAFE FILTER.** Many users have commented that the CEMAX also afford excellent contrast for planetary viewing.



H-ALPHA EXTERNAL ETALON FILTER /BLOCKING FILTER FOR NON-SOLAR SCOPES

Coronado filters are used around the world by serious solar enthusiasts and professional research facilities alike. When properly and safely mounted on your high quality refractor or other suitable telescope, this filter set allows observation and imaging of the amazing and ever changing surface detail and prominences on the Sun in H- α wavelength. Custom mounting will be required (adapters not included). The patented RichView™ tuning assembly allows direct tuning of the primary etalon filter.

No other commercially available H- α telescope can provide the tuning range and accuracy of the SolarMax II. Now you can tune for the highest contrast views of active regions, filaments and surface detail, or quickly and easily re-tune for prominences on the solar limb.



DOUBLE STACKING EXTERNAL ETALONS

If you think the view through a SolarMax II filter is amazing, you won't believe the incredible contrast and detailed resolution you can have with a double stacked SolarMax II filter system. By combining two SolarMax II etalons, fine-tuned individually with the RichView™ tuning system, the bandpass is reduced from >0.7 Angstroms to >0.5 Angstroms. The effect of the narrower bandpass is greatly increased contrast on the surface of the Sun which brings out fantastic details in active regions, filaments, flares and other surface phenomenon. Double stacking is the choice of the most demanding and advanced solar observers. The PST, SolarMax 40, 60 and 90 telescopes and all SolarMax II filters can be double stacked to achieve the ultimate in solar viewing.

MODEL	MODEL #	BLOCKING FILTER	APERTURE	FOCAL LENGTH	F/RATIO	BANDWIDTH
PST	PST	Built-in	40mm	400mm	f/10	$<1.0\text{\AA}$
SOLARMAX II 60	SMT60-5	BF5	60mm	400mm	f/6.6	$<0.7\text{\AA}$
SOLARMAX II 60	SMT60-10	BF10	60mm	400mm	f/6.6	$<0.7\text{\AA}$
SOLARMAX II 60	SMT60-15	BF15	60mm	400mm	f/6.6	$<0.7\text{\AA}$
SOLARMAX II 60 DS*	SMT60DS-5	BF5	60mm	400mm	f/6.6	$<0.5\text{\AA}$
SOLARMAX II 60 DS*	SMT60DS-10	BF10	60mm	400mm	f/6.6	$<0.5\text{\AA}$
SOLARMAX II 60 DS*	SMT60DS-15	BF15	60mm	400mm	f/6.6	$<0.5\text{\AA}$
SOLARMAX II 90	SMT90-15	BF15	90mm	800mm	f/8.8	$<0.7\text{\AA}$
SOLARMAX II 90	SMT90-30	BF30	90mm	800mm	f/8.8	$<0.7\text{\AA}$
SOLARMAX II 90 DS*	SMT90DS-15	BF15	90mm	800mm	f/8.8	$<0.5\text{\AA}$
SOLARMAX II 90 DS*	SMT90DS-30	BF30	90mm	800mm	f/8.8	$<0.5\text{\AA}$

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