

UNITRON[®] MODEL 114

2.4 inch ALTAZIMUTH REFRACTOR



MODEL 114 — Complete with: altazimuth mounting with coarse and slow motion controls in altitude and azimuth; tripod with leg brace and accessories shelf; 6X-24mm viewfinder; Standard rack and pinion focusing mechanism with eyepiece holder; 4 coated eyepieces*, 25mm (35X), 18mm (50X), 12.5mm (72X), 9mm (100X); dewcap; dustcap; wooden cabinet; instructions.

Prod. No. 16501 Model 114 2.4" Altazimuth Refractor.

*Powers indicated are doubled when the 2X Barlow Lens is used.

Although the Model 114 may be used as is for straight-through viewing, we recommend using one of the following accessory eyepiece holders for greater convenience:

- Prod. No. 16624 Model A Unihex, rotating multiple eyepiece selector
- Prod. No. 16745 2X Barlow Lens for Model A Unihex
- Prod. No. 16643 Model A Erecting Prism System
- Prod. No. 16645 Model A Star Diagonal, right angle eyepiece holder
- Prod. No. 16746 2X Barlow Lens for Model A Star Diagonal

See our catalog and price list for a wide variety of eyepieces and additional accessories.

UNITRON
EXCELLENCE BY DESIGN™
SINCE 1952

SPECIFICATIONS

Unitron Model 114 2.4" Altazimuth Refractor

1. DIMENSIONS:

Length (eyepiece to dustcap)	34 ½"
Height of instrument (ground to cradle)	58"

2. WEIGHT:

Shipping weight	30 lbs.
Instrument in cabinet	27 lbs.
Instrument in observing position	16 lbs.

3. ALTITUDE & AZIMUTH TRAVEL:

	Fast Motion	Slow Motion	Angular travel/revolution of slow motion control knob
Altitude	180°	23° 00'	0° 46'
Azimuth	360°	28° 50'	1° 06'

4. OBJECTIVE:

Achromatic, air-spaced, coated 2-element 60mm clear aperture, 900mm focal length, f/15, resolving power 1.9 arcsec, minimum magnitude observable +11, field of view 7° 12'.

5. VIEWFINDER:

Focusable 6X eyepiece with crossline, 24mm objective, field of view 6° 22'.

6. TABLE OF MAGNIFICATIONS (Objective focal length ÷ Eyepiece focal length)

Focal Length of Eyepiece	Magnification w/o Ach. Amp.	Mag. w/achro. Amp.	Field of view w/o Ach. Amp.
4mm	225X	450X	0° 11'
5	180	360	0° 14'
6	150	300	0° 16'
7	129	258	0° 18'
9*	100	200	0° 23'
12.5*	72	144	0° 29'
18*	50	100	0° 42'
25*	35	70	1° 08'
40†	22	44	1° 41'

* Supplied as standard equipment.

† Must be used in UNIHEX or 1¼-inch adapter.

7. WARRANTY: Full 25-year warranty. Written warranty can be obtained free of charge upon specific written request, at the address shown below.

All specifications subject to change without prior notice

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