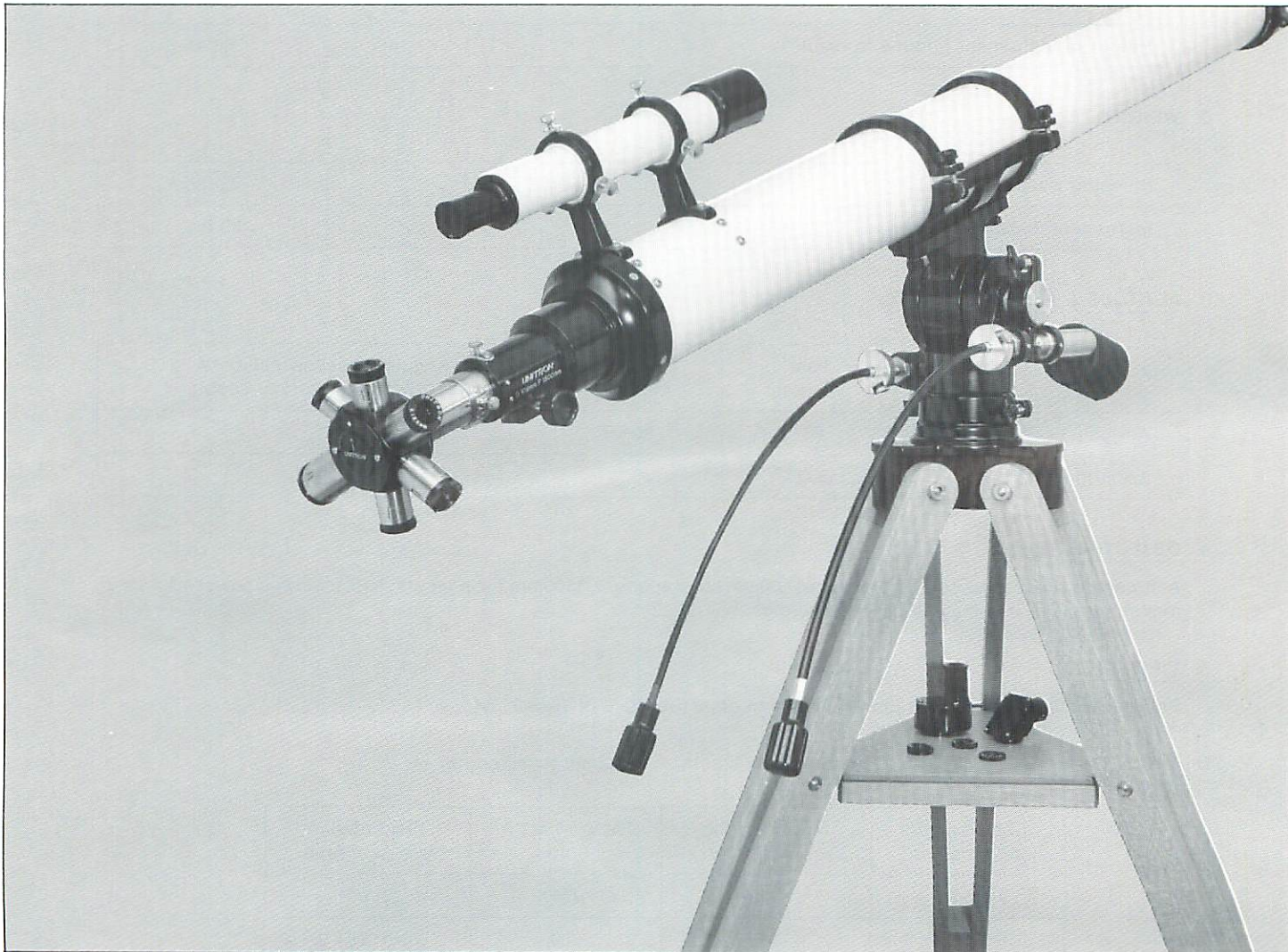


UNITRON[®] MODEL 150

4 inch ALTAZIMUTH REFRACTOR



ADDITIONAL ACCESSORIES AVAILABLE—

Prod. No. 16622 Model A DEUTRON
 Prod. No. 16624 Model A UNIHEX**
 Prod. No. 16626 Super UNIHEX††
 Prod. No. 16642 Sun Projecting Screen Set
 Prod. No. 16643 Erecting Prism System
 Prod. No. 16645 Model A Star Diagonal
 Prod. No. 16649 Solar Aperture Diaphragm
 Prod. No. 16653 Model A Sun Diagonal (Herschel Wedge)
 Prod. No. 16657 Super Rack and Pinion Focusing Mechanism
 Prod. No. 16659 Coupling for Prod. No. 16657
 Prod. No. 16667 4" UNICLAMP Camera Bracket
 Prod. No. 16669 4" UNIBALANCE Assembly

* Powers indicated are doubled when the Achromatic Amplifier is used.

† Must be used in UNIHEX.

‡ Must be used in Super UNIHEX or Super Rack and Pinion.

†† Must be used with Super Rack and Pinion.

ADDITIONAL EYEPIECES AVAILABLE*—

Prod. No. 16627 40mm Monochromatic for (38x)†
 Prod. No. 16636 5mm Orthoscopic (for 300x)
 Prod. No. 16637 4mm Orthoscopic (for 375x)
 Prod. No. 16638 60mm Kellner (for 25X)‡

MODEL 150—Complete with Altazimuth Mounting and slow motion controls for both altitude and azimuth, tripod, tripod accessories shelf, 10x-42mm viewfinder, Deluxe rack and pinion focusing mechanism, 6 coated eyepieces: 6mm (250x), 7mm (214x), 9mm (167x), 12.5mm (120x), 18mm (83x), 25mm (60x), dewcap, dustcap, wooden cabinets, instructions.

UNITRON
 EXCELLENCE BY DESIGN™
 SINCE 1952

SPECIFICATIONS

Unitron Model 150 4" Altazimuth Refractor

1. DIMENSIONS:

Length (eyepiece to dustcap)	5' 3"
Height of instrument (ground to cradle)	5' 4"

2. WEIGHT:

Shipping weight	95 lbs.
Instrument in cabinet	50 lbs.

3. ALTITUDE & AZIMUTH TRAVEL:

	Fast Motion	Slow Motion	Angular travel/revolution of slow motion control knob
Altitude	90°	35°	1°
Azimuth	360°	26°	1° 18'

4. OBJECTIVE:

Achromatic, air-spaced, coated, 2-element 100mm clear aperture, 1500mm focal length, f/15, resolving power 1.1 arcsec, minimum observable magnitude +12, field of view 3° 22'.

5. VIEWFINDER:

Focusable 10X eyepiece with crossline, 42mm objective, field of view 2° 54'.

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

Focal Length of Eyepiece	Magnification w/o Ach. Amp.	Mag. w/ach. Amp.	Field of view w/o Ach. Amp.
0 4mm	375X	750X	0° 06'
0 5	300	600	0° 08'
0 6	250	500	0° 10'
AS 7*	214	428	0° 11'
AS 9*	167	334	0° 14'
K 12.5*	120	240	0° 18'
K 18*	83	166	0° 25'
R 25*	60	120	0° 40'
M 40†	38	76	0° 58'
K 60‡	25	N/A	1° 12'

* Supplied as standard equipment.

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

‡ Must be used in Super UNIHDX or Super Rack and Pinion.

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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