

UNITRON®

MODEL E- 758 AND A-755

3" RICHFIELD EQUATORIAL REFRACTOR AND ALTAZIMUTH REFRACTOR



MODEL E-758 - Product #16543—Complete with Equatorial Mounting and slow motion controls for declination and right ascension, extension flexible cable for R.A. control, supplementary R.A. slow motion and provision for attaching accessory motor drive, setting circles, tripod and leg brace with eyepiece shelf. 6X30mm viewfinder, standard rack and pinion focusing mechanism with eyepiece holder; 3 coated 1 ¼ eyepieces 40mm (12.5X) 18mm (28X) 9mm (56X); dewcap, dustcap, wooden cabinet.

Although Models E-758 and A-755 may be used as is for straight through viewing, we recommend using one of the following accessory eyepiece holders for greater convenience.

Product #16625 Model B Unihex Multiple Eyepiece Holder

Product #16759 2X Barlow for Model B Unihex

Product #16646 Model B Star

MODEL A-755 - Product #16542—(not shown) Also complete with: Altazimuth mounting with coarse and slow motion controls in altitude and azimuth. Tripod with leg brace and accessories shelf, 6X-30mm view finder, standard rack and pinion focusing mechanism with eyepiece holder, 3 coated 1 ¼ eyepieces. 40mm (12.5) 18mm (28X) 9mm (56X); dewcap, dustcap and wooden cabinet.

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UNITRON
EXCELLENCE BY DESIGN™
SINCE 1952

Unitron Model E-758 & A-755

3" Richfield Equatorial and Altazimuth Refractor

SPECIFICATIONS

1. DIMENSIONS:

	A-755	E-758
A. Length (Eyepiece to Dustcover)	19½"	19½"
B. Height (Ground to Cradle)	59"	61"

2. WEIGHT:

	A-755	E-758
A. Shipping Weight	25 lbs.	28 lbs.
b. Instrument in observing position	14 lbs.	19 lbs.

3. DECLINATION AND RIGHT ASCENSION TRAVEL: E-758

ALTITUDE AND AZIMUTH TRAVEL: A-755

	Fast Motion	Slow Motion	Angular travel/ revolution of slow motion control knob
Right ascension	13 ^h 30 ^m	1 ^h 55 ^m	0°10"
Declination	360°	26° 30'	2°0'

	Fast Motion	Slow Motion	Angular travel/ revolution of slow motion control knob
Altitude	180°	23° 00'	0°46"
Azimuth	360°	29° 50'	1°06'

4. OBJECTIVE: E-758 AND A-755

Achromatic, air-speed, coated 2-element 75mm clear aperture, 500mm Focal length f/6.6. Resolving power 1.5 arc-sec. Minimum Magnitude 11.2 Observable 4° 20' field of view.

5. VIEWFINDER: E-758 AND A-755

Focusable 6X eyepiece with 30mm objective, field of view 4° 26'.

6. TABLE OF MAGNIFICATIONS (objective focal length - Eyepiece focal length): E-758 and A-755

Focal length of Eyepiece (1¼ O.D)	Magnification w/o Ach Amp	Magnification w/Ach Amp	Field of view w/o Ach Amp
ORTH 4mm	125X	250X	0° 10'
ORTH 6mm	83	166	0° 13'
ORTH 9mm	56	112	0° 20'
ORTH 12.5mm	40	80	0° 28'
ORTH 18mm	28	56	0° 40'
ERFLE 20mm	25	50	0° 45'
ORTH 25mm	20	40	0° 50'
MONO 40mm	12.5	25	1° 20'

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

All specifications subject to change without prior notice.