EFFECTIVE JANUARY 1st, 1978

The Quantum Series

PRICE CATALOG

EXCELLENCE IN
OPTICAL INSTRUMENTATION . . .

. . . QUANTUM MAKSUTOV
CASSEGRAIN TELESCOPES



THE QUANTUM FOUR .....

a complete 4-inch aperture. f/15, Maksutov Cassegrain Telescope

Price **$895.00**

Price of the Quantum Four includes optical tube assembly with built-in star diagonal and 1.75x Barlow lens, 16-mm. F. L. multi-coated Konig eyepiece (95x - 166x) of 80° apparent field; 6x30-mm. right angle finder, single arm fork mount with setting circles, slow motion controls, electric sidereal clock drive, lens cap, carrying case, and instruction booklet.

Weight: approximately 14 pounds.

THE QUANTUM FOUR —
Optical Tube Assembly (only)

Price **$625.00**

Price of Optical Tube Assembly includes built-in star diagonal and 1.75x Barlow lens, 24-mm. F. L. Brandon eyepiece (63x - 111x) of 50° apparent field, 6x30-mm. right angle finder, lens cap, carrying case, and instruction booklet. (The Optical Tube Assembly should be tripod-mounted for use and requires the Optical Barrel Tripod Adapter.)

Weight: approximately 6 pounds.

QUANTUM FOUR ACCESSORIES

Special Coatings **$165.00**
Enhanced silver applied to primary, secondary, and diagonal — improves transmission 20%.

Dew Cap **$25.00**
Reversible, self-storing

Legs and Base Leg Adapter **$25.00**
For table-top equatorial mounting — latitude adjustment 30° to 45°.

Oculars (1-1/4" O.D.)

Brandon - 8 mm., 12 mm., 16 mm., 24 mm., 32 mm. ..... **$55.00 each**

University Optics — Professional Series, Multi-coated Orthoscopic — 4 mm., 6.8 mm. 10.2 mm. 28 mm. ..... **$33.50 each**

University Optics — 24-mm. Konig Multi-coated, 75° apparent field ..... **$36.50 each**

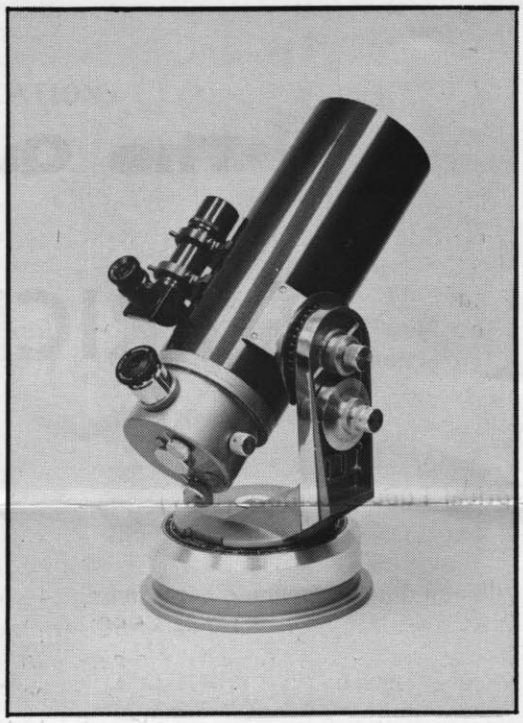
Tripods

Gitzo Tele-Studex Compact with Rising Center Post and Pan Head **$345.00**

Davis & Sanford Model B with Rising Center Post and MH-3 Pan Head with Quantum Adapter **$195.00**

Photo-Barlow Lens, 2x **$40.00**

Solar Filter, Full Aperture **$125.00**



THE QUANTUM FOUR

Variable Frequency Drive Corrector
DOAA/O.T.I. Professional **$150.00**

DC Declination Drive System ..... ***
(Requires DOAA/O.T.I. Drive Corrector)

T-Mount Swivel Camera Coupling **$45.00**

T-Mount Camera Ring Adapters

Universal Thread (for all cameras with Praktica thread-type lens mount) ..... **$30.00 each**

Nikon F, Minolta, Canon, Olympus OM, and Konica Autoreflex ..... **$30.00 each**

Exakta-Topcon C & D, Miranda ..... **$12.50 each**

Filter Holder (Series Six) **$15.00**

Photographic Filters (Series Six)

Nos. 3N5, 8, 12, 15, 21, 23A, 47, 56, 80A, 82A, 85 ..... **$8.50 each**

Polarizer **$9.50**

Illuminated Reticle Eyepiece
16-mm. F. L. (1-1/4" O.D.) ..... ***

Piggyback Camera Mount ..... ***

Counterweight Assembly ..... ***

Optical Barrel Tripod Adapter **$25.00**

1-1/4" Accessory Adapter **$15.00**
(For use with Swivel Camera Coupling)

Porro-Prism **$35.00**
(For terrestrial on-axis viewing—requires 1-1/4" Accessory Adapter above)

**** Price and Availability to be announced*

THE QUANTUM SIX . . . . .

a complete 6-inch aperture, f/15, Maksutov Cassegrain Telescope

Price $1450.00

Price of the Quantum Six includes optical tube assembly with built-in star diagonal and 1.75x Barlow lens, 16-mm. F. L. Multi-coated Konig eyepiece (140x - 250x) of 80° apparent field, with adapter; 8x50-mm. right angle finder, single arm fork mount with setting circles, slow motion controls, electric sidereal clock drive, lens cap, carrying case, and instruction booklet.

Weight: approximately 30 pounds.

THE QUANTUM SIX –
Optical Tube Assembly (only)

Price $995.00

Price of Optical Tube Assembly includes built-in star diagonal and 1.75x Barlow lens, 24-mm. F. L. Brandon eyepiece (95x - 166x) of 50° apparent field, 8x50-mm. right angle finder, lens cap, carrying case, and instruction booklet. (The Optical Tube Assembly should be tripod-mounted for use and requires the Optical Barrel Tripod Adapter.)

Weight: approximately 12.5 pounds.

QUANTUM SIX ACCESSORIES

Special Coatings $245.00
Enhanced silver applied to primary, secondary, and diagonal – improves transmission 20%.

Dew Cap $35.00
Reversible, self-storing

Legs and Base Leg Adapter $35.00
For table-top equatorial mounting – latitude adjustment 30° to 45°.

Oculars (1-1/4" O.D.)
Brandon - 8 mm., 12 mm., 16 mm., 24 mm., 32 mm. . . . . $55.00 each
University Optics – Professional Series, Multi-coated Orthoscopic – 4 mm., 6.8 mm., 10.2 mm., 28 mm. . . . . $33.50 each
University Optics – 24 mm. Konig Multi-coated, 75° apparent field . . . . . $36.50 each

Oculars (2" O.D.)
Brandon – 40 mm. F. L. Erfle, 75° apparent field $145.00
Clave Plossl – 40 mm. F. L., 48° apparent field, with adapter $187.00
University Optics – 55 mm. F. L., Plossl, 50° apparent field $79.50

Tripods
Folding Tripod and Wedge Assembly, latitude adjustment 12° to 58° $395.00
Portable Pedestal and Wedge Assembly, latitude adjustment 12° to 58° $295.00



THE QUANTUM SIX

Wedge Assembly (only) $60.00
Gitzo Tele-Studex Compact with Rising Center Post and Pan Head (for Quantum Six Optical Tube Assembly only) $345.00
Photo-Barlow Lens, 2x $40.00
Solar Filter, Full Aperture $325.00
Variable Frequency Drive Corrector DOAA/O.T.I. Professional $150.00
DC Declination Drive System . . . . . ***
(Requires DOAA/O.T.I. Drive Corrector)
T-Mount Swivel Camera Coupling $45.00
T-Mount Camera Ring Adapters
Universal Thread (for all cameras with Praktica thread-type lens mount) . . . . **$30.00 each**
Nikon F, Minolta, Canon, Olympus OM, and Konica Autoreflex . . . . . $30.00 each
Exakta-Topcon C & D, Miranda . . . . . $12.50 each
Filter Holder (Series Six) $15.00
Photographic Filters (Series Six)
Nos. 3N5, 8, 12, 15, 21, 23A, 47, 56, 80A, 82A, 85 . . . . . $8.50 each
Polarizer $9.50
Illuminated Reticle Eyepiece 16 mm. F. L. (1-1/4" O.D.) . . . . . ***
Piggyback Camera Mount . . . . . ***
Counterweight Assembly . . . . . ***
Optical Barrel Tripod Adapter $35.00
1-1/4" Accessory Adapter $15.00
(For use with Swivel Camera Coupling)
Porro-Prism $35.00
(For terrestrial on-axis viewing – requires 1-1/4" Accessory Adapter above)

**** Price and Availability to be announced*

QUANTUM SPECIFICATIONS

ITEM	QUANTUM FOUR	QUANTUM SIX
Clear Aperture	4"	6"
Focal Length	60", f/15	90", f/15
Resolving Power	1.14 arc sec.	.76 arc sec.
Diffraction-Limited Field	9 mm. dia.	12 mm. dia.
Central Obstruction	33 mm. (33% diam., 10% area)	50 mm. (33% diam., 10% area)
Baffle System	Double (Primary & Secondary)	Double (Primary & Secondary)
Unvignetted Field	23 mm. dia.	35 mm. dia.
Photographic Field of View	1.3° (35 mm.)	1.6° (70 mm.)
Limiting Magnitude	13.4	14.3
Near Focus	15'	30'
Primary Mirror	Pyrex, 4.65" dia., f/2.5	Pyrex, 6.65" dia., f/2.5
Corrector Lens	BK-7, 4.18" dia.	BK-7, 6.18" dia.
Coatings		
Reflective Surfaces	Enhanced Aluminum	Enhanced Aluminum
Corrective Lens	AR-MgF_2	AR-MgF_2
Barlow Lens	1.75x	1.75x
Eyepiece Holder	1.25" O.D.	2" O.D. with 1.25" adapter
Ocular	16 mm. F.L., 80° AP Field, 1.25" O.D.	16 mm. F.L., 80° AP Field, 1.25" O.D.
Power	95x and 166x	140x and 250x
Finder (Right Angle)	6x30	8x50
Mount (Type)	Single-Strut Fork	Single-Strut Fork
Dec. Thrust Bearing	3.0" dia.	4.125" dia.
Dec. Circle	3.0" dia. – 2° divisions	4.125" dia. – 2° divisions
R. A. Thrust Bearing	3.63" dia.	5" dia.
R. A. Circle	6.5" – 1°4' divisions	8.25" dia. – 1°4' divisions
R. A. Gear	4" dia.	6" dia.
Drive Motor	Synchronous 110 V, 60Hz, 2.7 watts	Synchronous 110 V, 60Hz, 2.7 watts
Height (Upright)	17.5"	25.5"
Weight	14 pounds (approx.)	30 pounds (approx.)

O.T.I. instruments are guaranteed for a period of 10 years against defects in material and workmanship, except for manual drives. Drives wear in accordance with use and will be replaced at cost of time and material. Special coatings are guaranteed for a period of 5 years.

*Prices and specifications subject to change without notice.

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