

The QM 100 combines the compactness and ease of use of the QM 1 with the relative aperture and resolution of the larger microscopes.

For applications requiring high magnification and resolution, and which allow the user to work from distances of 15 cm. to 35 cm., the QM 100 is uncontested in performance and flexibility.



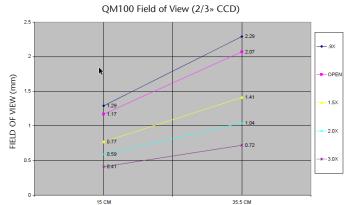
QM 100 Questar Long-Distance Microscope Datasheet



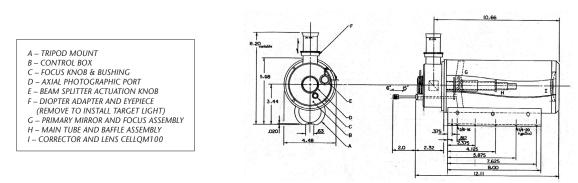
Technical data

Туре	Maksutov Cassegrain Catadioptric		
Working range	15 cm to 35 cm, subject plane to front element		
Numerical Aperture	Working Distance 33.5 cm 25.4 cm 15 cm	N.A. .083 .115 .142	f/no 6.0 4.3 3.5
Resolution	1.1 microns at 15 cm		
Magnification	To 34 times at image plane		
Format	Diffraction Limited Field 12 mm		
Optics			
Corrector lens	BK7, Magnesium Fluoride Coated, 63 mm diameter		
Primary Mirror	Pyrex, Aluminum Coated, SiO overcoated 104 mm diameter		
Secondary Mirror	R1 Surface of Corrector, Aluminum Coated, 16 mm diameter		
Baffling	Helical in central tube, all interior surfaces anti-reflection coated		
Mechanical			
Barrel	Aluminum, machined from seamless stock, threaded lens cell black anodized. Length 32 cm, outside diameter 11.4 cm, weight 2.27 kg		
Rear Closure Plate	Aluminum with stainless steel main tube holder plate, adjustable centering		
Focusing Mechanism	Mirror thimble integral with stainless steel sliding tube. Slides on fixed, stainless steel light baffle tube (centerless ground). Conical s.s. spring loaded Focus rod s.s. 303, precision ground, 24 TPI; integrated inside control box.		
Control Box	Machined aluminum, selectable axial or 90û port. Internal beamsplitter standard flickknob controlled		
Knobs	Aluminum, 24S-T4, corrosion resistant, stainless steel shafts and levers		
Mount	Full barrel length, 1/4» - 20 and 3/8» -16 mounting holes		

*Specifications subject to change without notice



WORKING DISTANCE (cm)



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