



New SurgioScope



Microscope for small animal surgery

- Motorized focusing system, allows hands-free operation
- Light weight, compact and easy to maneuver—weighs only 70 lb.
- Dual bulbs prevent illumination failure during surgery
- Optional video adapter
- Improved optics 119 lp/mm
- Convenient handles
- New head tilting mechanism
- Five magnification steps

WPI's improved precision SurgioScope (now with five magnification steps) is a portable high quality surgical microscope offering outstanding image quality and

value. Incorporating an agile extension arm and excellent working distance objectives, the SurgioScope provides convenient movement and maneuverability necessary for accurate positioning. These important features, together with a high quality optical system, provide sharp image contrast and enhanced large field of vision. The SurgioScope comes fully equipped with a foot-controlled motorized focusing system, normally only found in more expensive surgical microscopes. A unique dual lamp housing enables safe and rapid changing of the lamp during an operation, without the need to power down. The optional video port on the "T" version permits operational procedures to be monitored or recorded simultaneously using a video recorder and a COLCAM video camera or digital stills with USBCAM50.



PSMB5N Precision SurgioScope

SPECIFICATIONS

Total Magnification (F200).....	3.5–25x
Adjustable Diopter	±6 Diopter
Adjustable Interpupillary Distance.....	50mm – 70mm
Eyepiece.....	12.5x

Objective	W.D.	Magnification Step	Visual Field of View	Camera Field 1/2" CCD	Camera Field 1/3" CCD
F100	90mm	6.4, 10, 16, 26, 40x	25, 15.5, 10, 6, 4mm	25, 15.5, 10, 6, 4.5mm	17.5, 11.5, 7, 4.6, 2.8mm
F200 (included)	190mm	3.2, 5, 8, 13, 20x	50, 31, 20, 12, 8mm	50, 31, 20, 12, 8mm	35, 23, 14, 9, 5.5 mm
F250	240mm	2.6, 4, 6.4, 10.4, 16x	65, 40, 25, 16, 10mm	63, 40, 25, 16, 10mm	45, 28, 18, 11, 7mm
F300	290mm	2.1, 3.3, 5.3, 8.7, 13x	75, 46.5, 30, 18, 12mm	75, 46.5, 30, 18, 12mm	52.5, 34.5, 21, 13.5, 8.3mm
F350	340mm	1.8, 2.9, 4.6, 7.4, 11x	91, 57, 36, 22, 14mm	88, 55, 35, 21, 13mm	60, 38, 24, 15, 9.5mm

Fine Focus Adjustment Range..... 30mm

Working Height (Arm movement range above floor)

89cm Post..... Focus on specimen 34.5–51" (88–130cm)*

103cm Post..... Focus on specimen 40.5–57" (103–146cm)*

Range of Motion

Maximum Stretch Radius of Arm..... 870mm

Vertical Movement Range..... 700–1100mm

Illumination

Spot = 42mm

Dual lamp housing with quick-change spare and internal coaxial fiber optic cable

Halogen-Tungsten Lamp..... 12V, 100W w/cold reflection

Optional Camera..... COLCAM, USBCAM50 (1/2" CCD),
USBCAM33 (1/3" CCD)

Power..... 110V, 50-60Hz, or 220V, 50-6Hz

Shipping Weight..... 94 lb. (43kg)

*Subtract the working distance from the height above the specimen; 103cm post recommended for F350 objective.

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