



WORLD
PRECISION
INSTRUMENTS
Instrumenting scientific ideas

Precision 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**.

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SPECIFICATIONS

RANGE OF MOTION

Maximum Stretch Radius of Arm870 mm
Vertical Movement Range700-1100 mm

ILLUMINATION

Spot = 42 mm
Dual lamp housing with quick-change spare and internal coaxial fiber optic cable.

HALOGEN-TUNGSTEN LAMP12V, 100W, with cold reflection

TOTAL MAGNIFICATION (F200)3.2x — 25x

ADJUSTABLE DIOPTER± 6 Diopter

ADJUSTABLE INTERPUPILLARY DISTANCEmin. 50 mm — max. 70 mm

EYEPIECE12.5x

Objective	Working Distance	Magnification step	Visual Field of view (mm)	Camera field 1/2" CCD (mm)	Camera field 1/3" CCD (mm)
F100 #504284	90mm	6.4, 10, 16, 26, 40x	25, 15.5, 10, 6, 4	25, 15.5, 10, 6, 4.5	17.5, 11.5, 7, 4.6, 2.8
F200 (included)	190mm	3.2, 5, 8, 13, 20x	50, 31, 20, 12, 8	50, 31, 20, 12, 8	35, 23, 14, 9, 5.5
F250 #504285	240mm	2.6, 4, 6.4, 10.4, 16x	65, 40, 25, 16, 10	63, 40, 25, 16, 10	45, 28, 18, 11, 7
F300 #504286	290mm	2.1, 3.3, 5.3, 8.7, 13x	75, 46.5, 30, 18, 12	75, 46.5, 30, 18, 12	52.5, 34.5, 21, 13.5, 8.3
F350 #504287	340mm	1.8, 2.9, 4.6, 7.4, 11x	91, 57, 36, 22, 14	88, 55, 35, 21, 13	60, 38, 24, 15, 9.5

For additional objectives and specifications, please go to WPI website—www.wpiinc.com

FINE FOCUS ADJUSTMENT RANGE30 mm

WORKING HEIGHT (Arm Movement Range Above Floor)

89 cm PostFocus on specimens 34.5" (88 cm) to 51" (130 cm) above floor *

103 cm PostFocus on specimens 40.5" (103 cm) to 57" (146 cm) above floor *

** Subtract Working Distance for height above specimen, 103 cm post recommended for F350 objective.*

OPTIONAL CAMERACOLCAM, USB CAM50 (1/2" CCD), USB CAM33 (1/3" CCD)

POWER110V, 50-60 Hz, or 220V, 50-60 Hz

SHIPPING WEIGHT94 lb (43 kg)

PSMB5N Binocular SurgioScope, F200 objective (Specify post height.)

PSMT5N Trinocular SurgioScope, beam splitter, std video adapter, F200 objective (Specify post height.)

Specify 89 cm or 103 cm post
Specify line voltage

OPTIONS AND ACCESSORIES

501636 1/2" CS-mount Adaptor (requires Beam Splitter 501637)

501637 Beam splitter

504284 F100 Objective

504285 F250 Objective

504286 F300 Objective

504287 F350 Objective

500162 Replacement lamp, 12V, 100 W



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