

## Winchester SP50 Monocular

These instruments have a very modern, elegant design and a technical specification that is probably unique at this price range. The Winchester range is recommended for those that require the feel and specification of a professional microscope but at a very realistic price. All models have 6 volt, 20 watt quartz halogen illumination with "on/off" switch and rheostat control for optimum illumination. The internal electronics have a 240v to 110v switching option, allowing the instruments to be used world wide. There is a "quick release" door in the base of the microscope for easy bulb change. The field lens has integral daylight blue filtration.

The Winchester models have low position co-axial coarse and fine focus controls. The fine focus is graduated for specimen depth measurement. Slides are protected by a stage focus stop, and the high power objectives have spring loaded front lenses. Eyepieces and objectives conform to DIN standard. x10 widefield eyepieces, and x4, x10, x40 and x100 (oil immersion) achromatic objectives, with numerical apertures of 0.1, 0.25, 0.65 and 1.25 respectively. The trinocular option has a fixed light distribution between the binocular and trinocular tubes.

The Winchester SP series compound microscopes are a very successful recent addition to our range. The **SP50** - monocular is finished in light grey, and the **SP60** - binocular and trinocular in stylish two tone grey. The Winchester range is recommended for those that require the feel and specification of a professional microscope but at a very realistic price.

The technical features include a fully focusing substage condenser (N.A. 1.25) with internal iris diaphragm and filter carrier, and a mechanical stage with drop down controls and vernier reference scales. The Winchester models have low position co-axial coarse and fine focus controls. The fine focus is graduated for specimen depth measurement. Slides are protected by a stage focus stop, and the high power objectives have spring loaded front lenses. The monocular, binocular and trinocular heads are fully rotating, and the binocular/trinocular heads (SP60) have a magnification factor of x1 with interpupillary and dioptic adjustment.

### **Optical Specification**

Eyepieces and objectives conform to DIN standard. x10 widefield eyepieces, and x4, x10, x40 and x100 (oil immersion) achromatic objectives, with numerical apertures of 0.1, 0.25, 0.65 and 1.25 respectively. The trinocular option has a fixed light distribution between the binocular and trinocular tubes.

### **Accessories**

A wide range of accessories are available including: photomicrography attachment, dark ground condenser, polariser/analyser, phase contrast (x40 objective only), measuring equipment, additional eyepieces and CCTV adapter.

[www.educationalmicroscopes.co.uk](http://www.educationalmicroscopes.co.uk)

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