

Brunel SP200 Advanced Laboratory Microscope

The Brunel SP200 is a laboratory standard microscope of contemporary shape combining the two key principles of successful microscopy design - robust build quality and excellent optical performance. The SP200 has an operational feel and a range of accessories that allows it to compete with the market leaders in this field.

The SP200 benefits from Kohler illumination and can be supplied with a choice of lighting system. An internal integrated 6 volt 20 watt system is recommended for those predominantly using bright field illumination with the occasional option of dark ground or phase contrast illumination. Alternatively for those using dark ground and/or phase contrast extensively (for example whole blood analysis), the 6v 50 watt external light source with separate transformer pack is recommended. It should be noted that the 50 watt option used with bright field illumination would require a neutral density filter even at the lowest bulb brightness in order not to compromise the automatic iris of CCTV cameras. However with the reduced lighting associated with dark ground and phase contrast the high wattage output can be extremely valuable and is in some circumstances essential.

- The trinocular head is inclined at 45° and has full interocular and dioptic adjustment on both eyetubes. x10 widefield eyepieces.
- The SP200 has a quintuple inverted nosepiece with excellent quality plan objectives. The coaxial focus system has a graduated fine focus control to allow depth measurement.



- Large mechanical stage with drop down coaxial controls and double vernier, the X - Y travel is 77 x 50mm.

- The substage Abbé condenser has an integral iris diaphragm and filter carrier. It has full lateral adjustment for light centring and the application of dark ground and Zernicke phase contrast illumination.

- The SP200 has quartz halogen Kohler illumination, with internal switching between 240 and 110 volts.

- The focus controls incorporate a variable focus stop that can be engaged to suit individual circumstances and a variable tension adjuster.

- Dimensions: 395 x 190 x 235mm Weight 7 Kgms

Drawing Attachment

A new and welcome addition to our range of accessories is the SPD drawing attachment. In a digital world this is an increasingly rare accessory. Very easy to use and therefore a practical tool for teaching and record keeping purposes. The drawing attachment also fits the SP100 series.



Objective	N.A.
x4	0.1
x10	0.25
x25	0.??
x40	0.65
x100 (oil)	1.25

x15 widefield eyepieces (pair)	SP201	Photography attachment	SP209	Photography parallax system	SP218
x20 widefield eyepieces (pair)	SP202	x2.5 photoeyepiece	SP210	Dark ground condenser dry	SP219
x10 measuring eyepiece	SP203	x3.2 photoeyepiece	SP211	Dark ground condenser oil	SP220
x60 plan objective	SP204	T2 ring state camera make	SP212	Polariser/analyser simple	SP221
x2.5 plan objective	SP205	Digital camera adapter	SP214	Polariser/analyser advanced	SP222
x100 plan objective with iris	SP206	Drawing attachment	SP215	Plan phase contrast set	SP223
Stage micrometer	SP207	CCTV adapter	SP216	Heated stage	SP224
Neutral density filter	SP208	CCTV adapter with graticule	SP217	Wooden case	SP225