

SP-70-P Polarising Microscope

The SP-70-P is a full specification polarising microscope at a very competitive price. Based on a traditional body shape this instrument has all the technical features of microscopes of a much higher price bracket.

- Strain free achromatic objectives x4, x10, x40 and x63. Each objective seats into its own adapter that has lateral adjustment to enable centring of the specimen.
- x10 widefield and x5 compensating eyepiece together with micrometer and cross hair inserts. The monocular eyetube is notched for eyepiece location.
- The circular rotating stage is graduated through 360° and can be fitted with a mechanical specimen driver. The focusing substage condenser has a flip top lens, iris diaphragm and a rotating graduated polariser.
- Focus is by movement of the barrel and has separate coarse and fine controls.
- The body tube has a slide in/out analyser filter and a Bertrand lens, with an additional slot for the ¼ and 1 wavelength retardation plates and quartz wedge.
- The unit is complete with a 6 volt 20 watt quartz halogen rheostat light source with lateral adjustment on the field lens. A mirror is also supplied for field work.

SLR camera adapter	SP701	CCTV adapter simple	SP704	Wooden case	SP707
T2 ring (state camera make)	SP702	Spare bulb	SP705	Stage micrometer	SP708
Digital camera adapter	SP703	Mechanical specimen driver	SP706	Minicam CCTV	SP709

SP200-XP Advanced Polarising Microscope

The Brunel SP200-XP is a good specification trinocular polarising microscope that is particularly well constructed to a modern design that uses established technology. The microscope stand has a two tone finish base with low position coaxial coarse and fine focus controls that incorporate both tension adjustment and a variable focus stop safety system.

- The SP200-XP has a mechanical tube length of 160mm with x4, x10, x25, x40 and x63 strain free achromatic objectives of excellent quality, housed on an objective turret that has very precise and definite position indexing. The x40 and x63 objectives have spring loaded front lenses as an additional feature.
- Each objective turret position has a seating that can be moved laterally by two adjusters in order to centre each objective individually in the optical path.
- A pair of x10 widefield eyepieces are complimented by x10 micrometer, cross hair and grid eyepieces, each having an 18mm field of view. The microscope head has full interocular and dioptic adjustment on each eyetube.
- The SP200-XP has an effective 12 volt 25 watt rheostat controlled quartz halogen illumination system.
- The fully adjustable condenser has a numerical aperture of 1.30, and has an integral iris diaphragm and flip top lens. The top element of the condenser has lateral adjusters that allow centring within the optical path. A fully rotating and graduated polarising filter is attached to the condenser base.
- The circular stage is fully graduated and has a ball bearing race to ensure smooth and rapid rotation. The stage is tapped to take a mechanical specimen driver with mushroom controls to avoid objective contact.
- The analyser unit is compact and features a graduated analyser filter with push/pull lever that can be rotated through 90°. The Bertrand lens is housed in a slide in mount and has its own centring adjusters.
- The analyser unit also has a filter slot for a quartz wedge, gypsum wavelength and mica ¼ wavelength plates that are supplied as standard.
- Height 450mm: Footprint 250 x 220mms. Weight 7 Kgms.



Objective	N.A
x4	0.10
x10	0.25
x25	0.40
x40	0.65
x63	0.85

SLR camera adapter	SP2011	CCTV adapter	SP2014	Wooden case	SP2017
T2 ring (state camera make)	SP2012	CCTV adapter with graticule	SP2015	Stage micrometer	SP2018
Digital camera adapter	SP2013	Mechanical stage driver	SP2016	Spare bulb	SP2019