

Brunel SP98iFL

The Brunel SP98i fl is a modern bright field transmission and incident fluorescence inverted microscope, finished to a high standard. The large mechanical stage will accept most types of laboratory apparatus, and the condenser assembly can be removed from the optical path for particularly tall objects. The SP98i fl is equipped with long working distance plan objectives (x10, x25 and x40), and plan phase contrast objectives (x10, x25 and x40), offering a magnification range of x100 to x400.

Objectives:

Plan long working: x10, x25 and x40

Plan phase contrast: x10, x25 and x40

Eyepieces:

x10 widefield

Condenser:

The long working distance condenser with phase contrast options has a working distance of 50mm. There is the option of an ultra long working distance unit with a practical working distance of 70mm.

A notable feature of the SP98iFL is the very large mechanical stage with long drop down movement controls. The potential specimen vessels for this type of microscope is very varied and the mechanical stage arrangement has been designed as an attachment that can be removed in order to accommodate unusual sized specimen equipment.

The SP98iFL has low position coaxial coarse and fine focus controls with inbuilt tension adjustment and variable safety stop. The fine focus control is graduated in 2 micron units as an indicator of depth.

There are two illumination systems:

- Transmitted bright field lighting with a 6v 30 watt tungsten halogen lamp
- Reflected light, mercury vapour lamp output 100 watt DC power supply
- The SP98iFL can be supplied with either 110 or 240 voltage options

Fluorescent lighting system:

The SP98iFL has the capability of providing four excitation filter systems.

- UV (ultraviolet) 330 - 400nm
- V (violet) 395 - 415nm
- B (blue) 420 - 485nm
- G (green) 460 - 550nm

The appropriate safety screen is attached to the rear of the trinocular head to protect the operator and should always be used.

There is a wide range of accessories available for the SP98iFL that include digital camera adaptors, CCTV attachments and measuring equipment.

www.educationalmicroscopes.co.uk

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