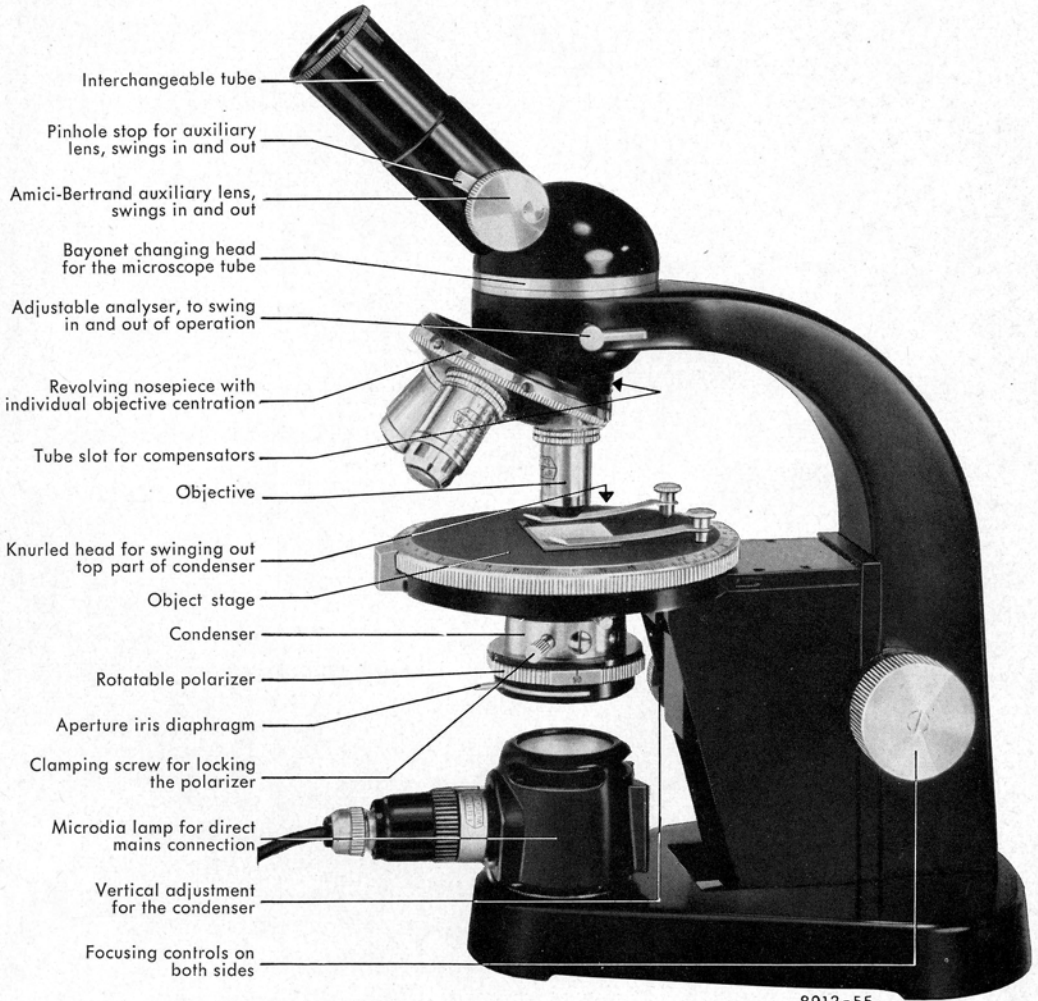


# Polarizing Microscope SM-Pol



## Directions



8912-55

ERNST LEITZ GMBH WETZLAR

55-19/Engl.

**Interchangeable tube** The illustration shows the inclined monocular tube for use with wide-field eyepieces; with two slots for the alignment lugs of the cross-line eyepiece to enable the latter to be arranged parallel or diagonally to the vibrational direction of polarizer and analyser. Built-in Bertrand lens and pinhole stop.

**Amici-Bertrand auxiliary lens** Swings in and out, adjusted for objective 50/0.85; if the stop screw on the milled knob is pointing downwards, the auxiliary lens is in operating position.

**Pinhole stop for the auxiliary lens** Swings in and out, for singling out small object details in conoscopic observations; the pinhole stop is in position when the lever is raised.

**Bayonet changing head** for the microscope tube.  
The microscope tube can be attached to the stand in two different positions by rotation through  $180^\circ$ .

**Analyser** Swings in and out; with the lever lowered the analyser is in operating position.

**Tube slot** at  $45^\circ$  to the analyser vibrational direction, to take compensators.

**Revolving nosepiece** with individual objective centration, or

- Objective centring clutch** including three centring changing collars.  
The revolving nosepiece or the objective centring clutch is permanently fitted to the stand.
- Changing collar of the objective centring clutch** for changing the objectives swiftly and for exact centring. It is preferable for every objective to be fitted with a changing collar.
- Objectives** The relevant objectives are free from strain. The medium and high-power objectives from 25/0.50 upwards have a receding spring mount which reacts to even the slightest contact with the specimen, thus affording effective protection for front element and specimen alike.
- Object stage** Rigidly centred and rotatable in a tapered guide, with 360° graduation and index reading, stage diameter 120 mm.
- Condenser** Polarizing condenser No.57 in cylindrical sliding mount with swing-out top part and aperture iris diaphragm.
- Polarizer** Vertically removable filter polarizer in rotatable mount. Readings at intervals of 90°.
- Focusing** The image is focused by raising or lowering the object stage. The single-knob coarse and fine focusing controls on both sides of the stand ensure swift and accurate adjustment at all magnifications.

**Illumination** A microscope mirror adjustable to all angles is standard equipment. It can be replaced by a lamp attachment.

### **Suitable illuminating equipment:**

#### **Microdia lamp attachment (15 watts)**

for direct mains connection, suitable for general bright-field observations.

#### **Low-voltage lamp attachment (6 volts, 15 watts)**

with centring device, also suitable for dark-field illumination, phase contrast and photomicrography. A REROW or RESEV transformer must be used with this attachment.

**ERNST LEITZ GMBH WETZLAR GERMANY**

Subsidiary: Ernst Leitz (Canada) Ltd., Midland, Ontario