

Mineralogical Routine Microscope IV M

Stand IV M

Inclinable through 90°

Large graduated revolving stage

Vernier and orienting scales

Revolving nosepiece with centring fittings

Draw tube secured against rotation, with rack-and-pinion motion and millimetre scale

Optical system rendered telecentric by permanently mounted correction lenses

Illuminating apparatus with side screw

Condenser N.A. 1.2
in mahogany case

Accessories:

Quartz-wedge, first to third orders, in metal mount. Gypsum plate, red first order, in metal mount. Mica plate, 1/4 w. l., in metal mount

Code word: *Woccu*

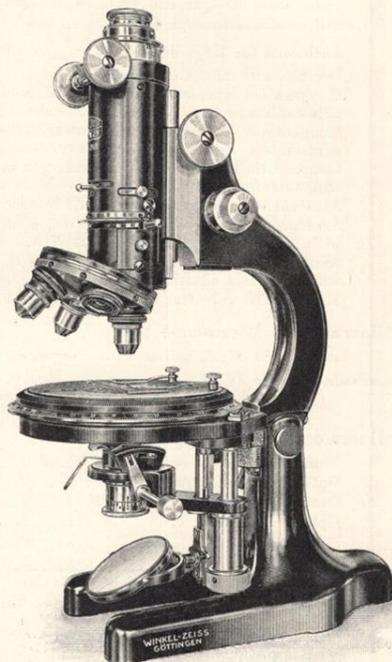


Fig. 196 About 1/3 actual size

Optical Equipment

Magnifications: 15× to 824×

Achromatic objective 2.5 M (3) 10 M (13), N.A. 0.35 23 M (30), N.A. 0.60 42 M, (54), N.A. 0.86

Oil immersion 69 M (88), N.A. 1.30

HUYGENS eyepieces 6×, with cross lines; 9×, with micrometer; 12×, with cross lines

Code word: *Wocka*



The iris diaphragm of the illuminating apparatus operates as an aperture stop with orthoscopic path of light, and as a field stop with conoscopic path of light. The upper lens can be swung aside. A dark field condenser may be used. Draw tube with rack-and-pinion motion. Iris and slit diaphragms above Bertrand lens. N.A. 1.2 illuminating apparatus replaceable by large N.A. 1.4 illuminating apparatus of Stand VI M. Polarizer in the shape of a revolvable Ahrens prism with straight end surfaces, marked at 15-degree intervals. Tube analyser, extensible and rotatable through 90°.

- Additional** for large illuminating apparatus of Stand VI M Code word: *Windarm*
 For use with above:
 Huygens 6× eyepiece, with enlarged field of view, cross lines, and adjustable eye lens Code word: *Wocoe*
 Complanatic 9× eyepiece with enlarged field of view, cross lines, and adjustable eye lens Code word: *Wocti*
 Complanatic 12× eyepiece with enlarged field of view, cross lines, and adjustable eye lens Code word: *Wocuj*
 Attachable mechanical stage M R, in case Code word: *Windbal*
 Arrangement for synchronizing rotation of Nicols, for stands equipped with large illuminating apparatus N.A. 1.4 Code word: *Windbalg*
 Arrangement for synchronizing rotation of Nicols, for standse quipped with small illuminating apparatus Code word: *Wocyn*
 FEDOROW universal revolving stage Code word: *Windballen*

Mineralogical Microscope V M

same as in Fig. 196, but with compound stage with 15 mm. range of movement.

- Accessories as for IV M** Code word: *Windberry*
 For details, see "Winkel No. 253."

Mineralogical Microscope VI M

- Stand VI M Code word: *Windband*
 Optical equipment a) Code word: *Windbarrou*
 or Optical equipment b) Code word: *Windbauch*
 or Optical equipment c) Code word: *Windbaum*
 see "Winkel No. 254."

The following folders describing the mineralogical Stands and accessories manufactured by the **R. Winkel G. m. b. H., of Göttingen**, will be gladly sent upon request:

Class Microscope K M	Winkel List No. 258
Ore Microscope E M	" " " 259
Universal Laboratory Microscope, Stand U	" " " 202
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