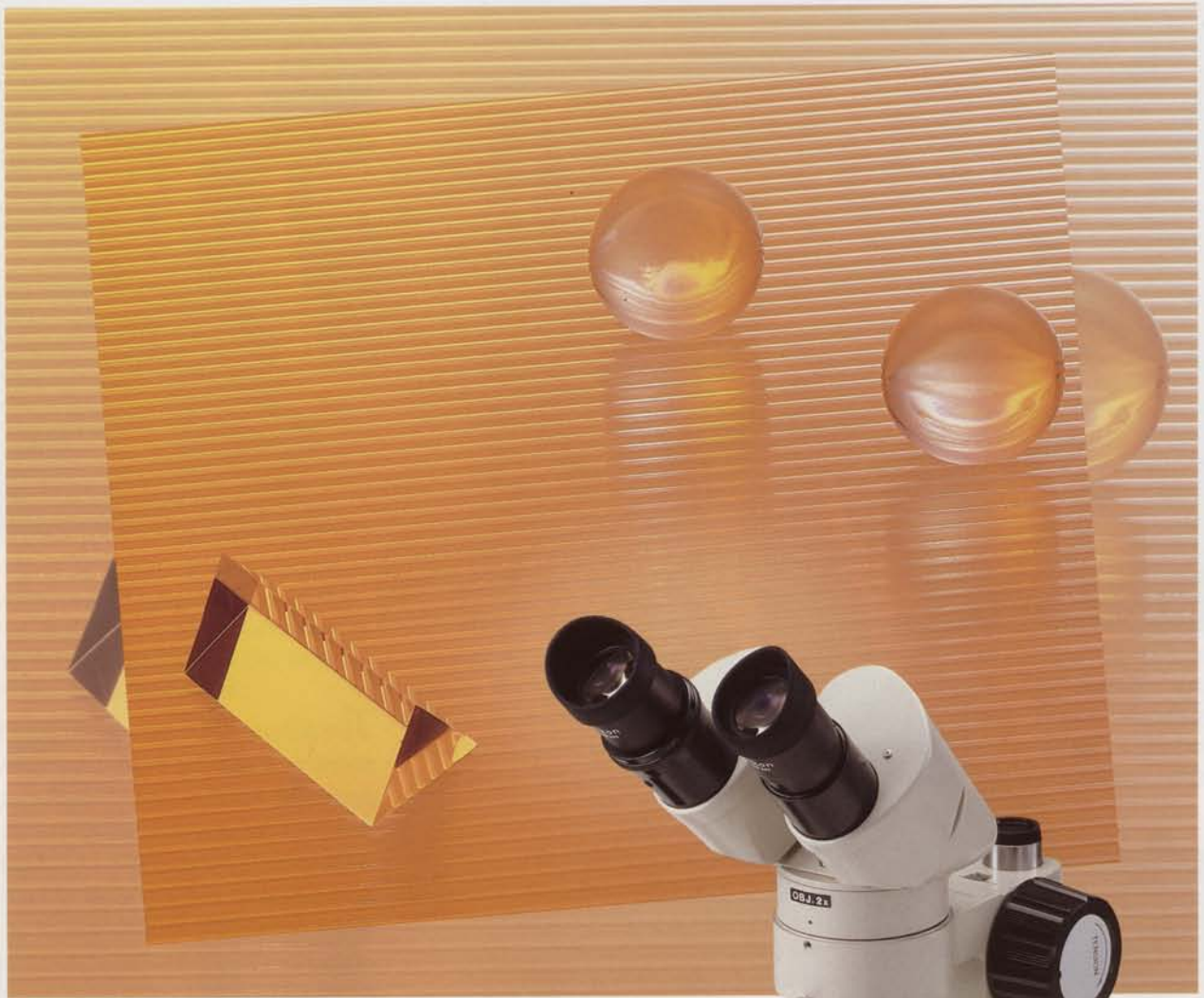


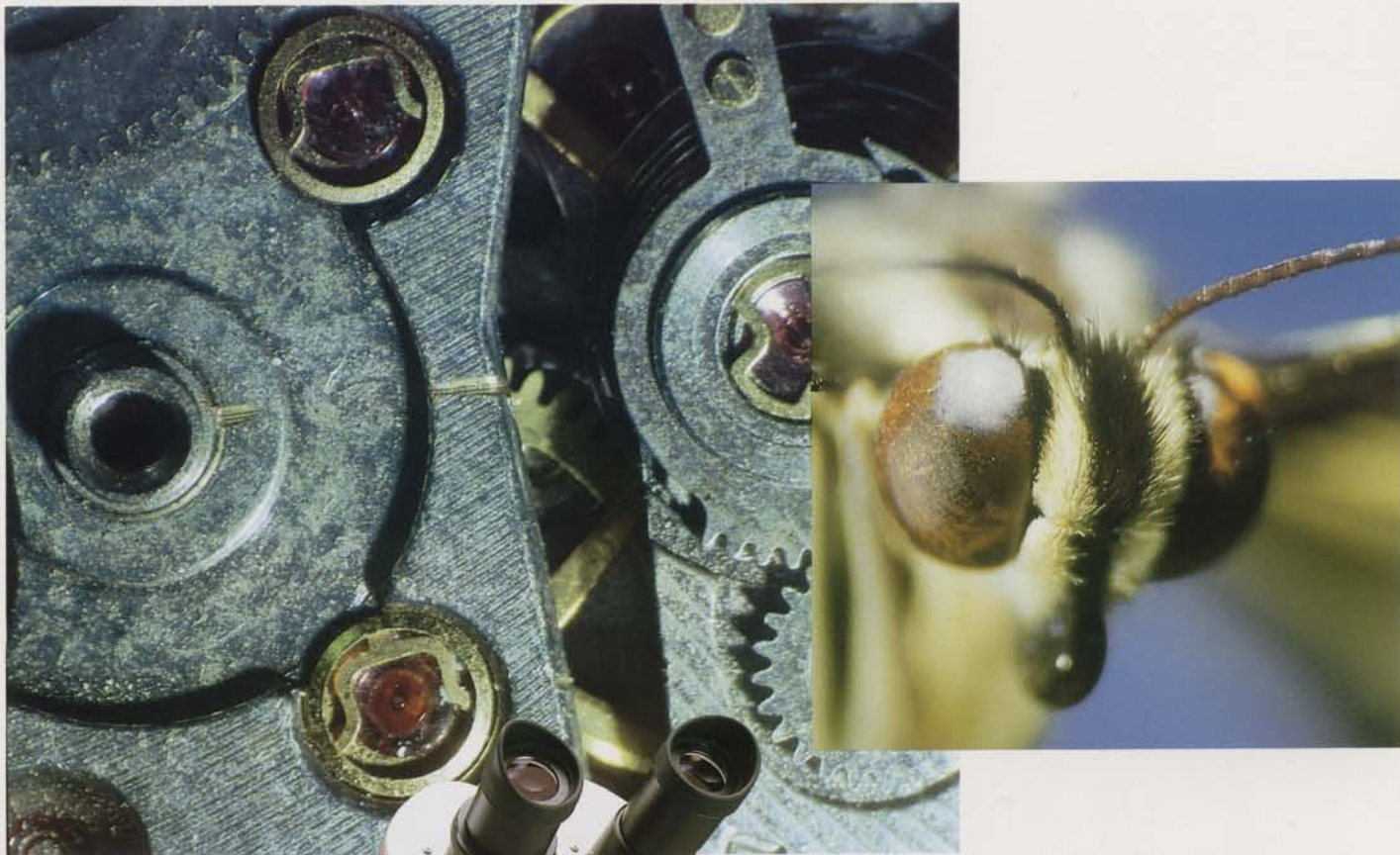
**Nikon**

STEREOSCOPIC MICROSCOPE

**SM-5**



# Stereoscopic Inspection Clear and Simple



*The Nikon SM-5 Stereoscopic Microscope is a sturdy, high-quality, dependable microscope. It is the perfect solution for any job requiring the natural 3-D perspective and high resolution at a lower cost. The Nikon SM-5 features a matched pair of 2X objectives and provides magnifications from 10X to 99X with interchangeable eyepieces and auxiliary objectives. A flexible mount allows the SM-5 to use a complete range of accessories, such as illuminators, stands, etc., which increases the application possibilities. And it is remarkably easy to use. High resolution and economy make the SM-5 an ideal microscope for production and quality control.*

# Accessories



## Diascopic Illuminator Stand

A 6 V/20 W halogen lamp and focusable collector lens give uniform, glare-free illumination from below the stage. The transformer is built-in to save space at the workstation. A two-position mirror makes observation and photomicrography of bright images easier from low to high magnifications.



## Illuminators

A variety of illuminators are available to aim the lighting or eliminate shadows for the sharpest view of the specimen.

- ① 15V/150W Fiber-Optic Bifurcated and Ring Illuminators
- ② Fluorescent Ring Illuminator
- ③ Universal Illuminator
- ④ SM-Illuminator

## Stand Type 3 & 4

Designed especially for convenient examination of large specimens. Ideally suited for repeat inspections using swing-out techniques. They both allow flexible vertical, horizontal or tilted positioning of the microscope head. Type 4 has rack-and-pinion extension control.



## Fine Focusing Stage

Provides easy focusing for photomicrography. The vertical movement range is 20mm, at 18.7mm per rotation. An acrylic/glass stage insert and circular floating stage can be attached.



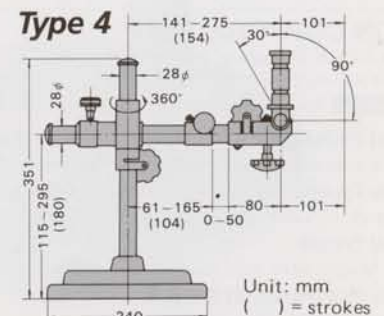
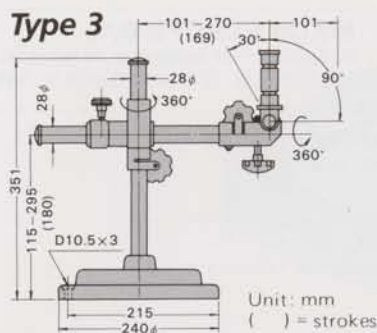
## Polarizing Set B

The polarizer replaces the circular insert in the base, and the analyzer screws into the optical head in front of the objectives. It is used for inspecting plastics and other transparent substances under diascopic illumination.



## Circular Floating Stage

Easy to operate and able to accommodate a variety of specimens. Softly pushing the edge slides the stage smoothly with the specimen on it. The sliding range diameter is 18mm.



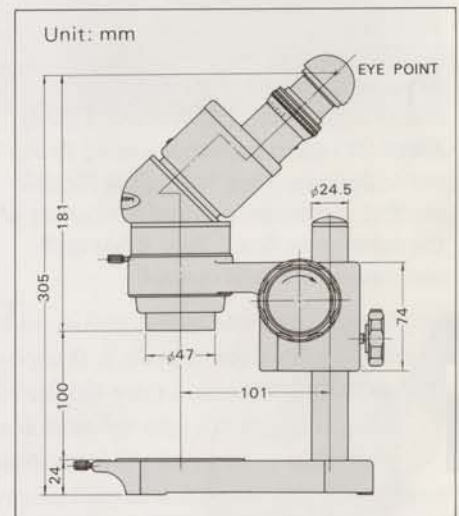


### Auxiliary Objectives/Eyepieces

These elements are useful when magnifications beyond the range of standard combinations are desired. The working distance and magnification range can be extended by attaching the 0.5X, 0.7X or 1.5X auxiliary objectives. The lens screws into the optical head in front of the objective, and accepts the Polarizing or Half-Reflecting Mirror Attachments. 10X, 15X, 20X and 33X eyepieces are also available.

### Specifications

Type	Twin objective; fixed
Total magnification	Standard magnification 20X (with 10X eyepiece); min. 10X, max. 99X depending upon eyepiece and auxiliary objective lens used.
Eyepiece inclination	45° off vertical
Optical system	Erect/unreversed image Interpupillary distance adjustable, 56mm to 75mm Diopter adjustable on left eyepiece tube
Convergent angle	12°
Eyepieces	10X, 15X, 20X, 33X
Objective	2X
Auxiliary objectives	0.5X, 0.7X, 1.5X
Real field of view	φ24.0 ~ φ2.1 mm
Eyepiece tube	Rotatable 360°
Working distance	100mm (standard), 175mm (with 0.5X aux. objective), 125mm (with 0.7X aux. objective), 55mm (with 1.5X aux. objective)
Weight	1kg (main body only), 1.9kg (stand)



**WARNING**

TO ENSURE CORRECT USAGE, READ MANUALS CAREFULLY BEFORE USING YOUR EQUIPMENT.

ISO 9001 Certified



NIKON CORPORATION  
Instrument Division  
Yokohama Plant

Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. September 1998  
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