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**Nikon**

STEREOSCOPIC ZOOM MICROSCOPE  
**SMZ-1/1B ESD**

**Conductive design eliminates  
static electricity build-up**

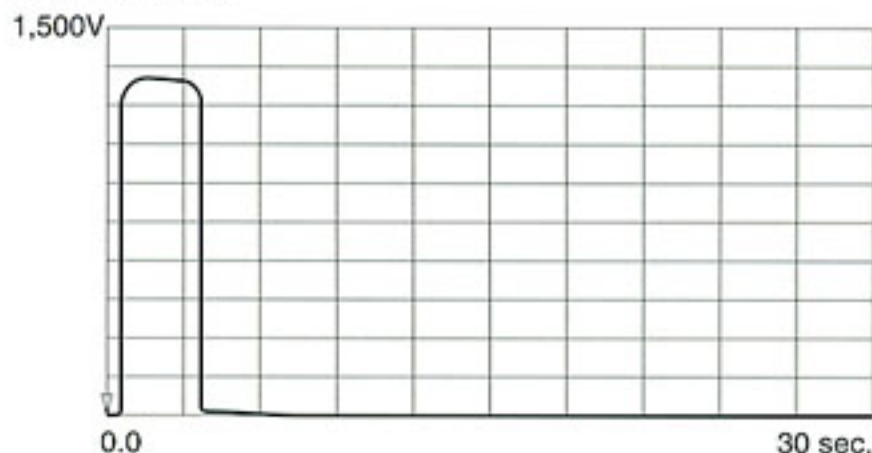


# SMZ-1/1B ESD

As the ESD in the name implies, Nikon's SMZ-1/1B ESD stereoscopic zoom microscopes are designed to eliminate destructive electrostatic discharge (ESD). This makes them ideally suited for work sites where sensitive electronic components, such as IC's or Magnetoresistive (MR) heads, are assembled and inspected. From anti-electrostatic focusing knobs and eyepiece materials to special anti-electrostatic paint used throughout, Nikon ESD microscopes are safe for the most demanding tasks. Add to this Nikon's superb optical quality and rugged body construction and you have truly unrivaled performance.

## Charge Decay Time

### SMZ-1/1B ESD

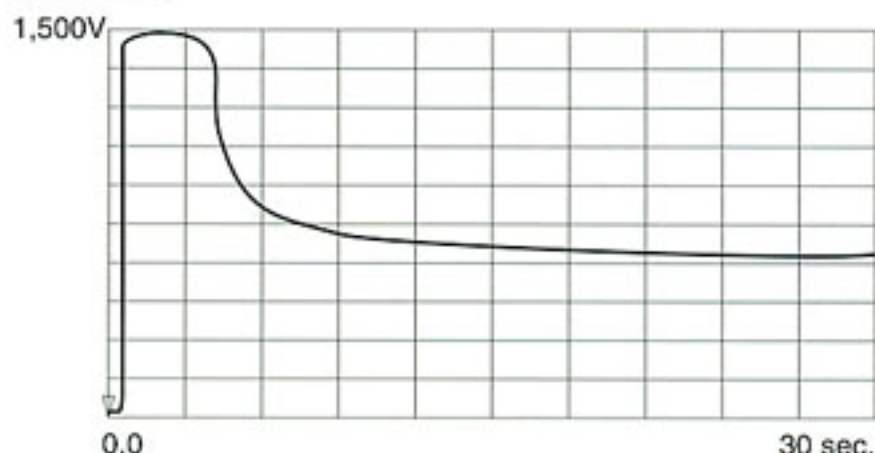


## Specifications

	SMZ-1	SMZ-1B
Type	Twin zooming objective	
Total magnification	3.5X* - 198X	4X - 231X
	Depending on eyepiece and auxiliary objective lens used	
Eyepiece inclination	30° off vertical	45° off vertical
Eyepieces	Widfield 10X (F.N. 21)	
Optical system	Erect unreversed image, convergent angle 12°	
	Interpupillary distance adjustable from 54mm to 75mm	Interpupillary distance adjustable from 52mm to 75mm
	Eyepiece diopter separately adjustable (+6 -8 diopt.)	
Objective	0.7X - 3X (zoom ratio 4.28:1)	0.8X - 3.5X (zoom ratio 4.37:1)
Auxiliary objectives	0.5X, 0.7X, 1.5X, 2.0X	
Eyepiece tube	Rotatable 360°	
Available working distance	100mm, 181mm (with 0.5X auxiliary lens), 130mm (with 0.7X auxiliary lens), 50mm (with 1.5X auxiliary lens), 32.7mm (with 2.0X auxiliary lens)	
Focusing	Rack-and-pinion system	
Weight of zooming body	1.0kg	

\*Two auxiliary objectives, 0.27X and 0.4X, specially designed for OEM requirements, are also available. With the 0.27X objective, the low magnification range is extended to 1.9X.

### SMZ-1/1B



## Stand and Arm



### WARNING

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

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

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