

TS100/TS100-F

Nikon **ECLIPSE** **TS100/TS100-F**

New

- Utilizes **CFI60** optical system
- Advanced ergonomics
- Vibration-free design
- New ADL Phase Contrast for “extended” contrast and no halo
- Upgradable to fluorescence

Routine Inverted Microscope

Adding New Dimension to the Routine
Inverted Microscope



TS100/TS100-F Routine Inverted Microscope



Adding new dimension to the inverted routine microscope

CFI₆₀ Optics

- Nikon CFI₆₀ optics have surpassed the limitations of conventional infinity optics by ensuring superior optical performance while simultaneously achieving higher numerical apertures and longer working distances.

Ergonomic Design

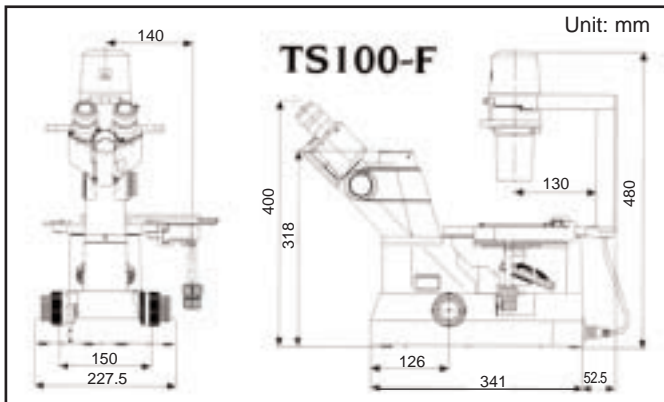
- The Siedentopf-type eyepiece tube inclined to 45° along with the eyepoint height of 400mm allow for easy comfortable viewing in either the sitting or standing position.

Observations Methods

- Phase contrast microscopy, Epi-fluorescence and Hoffman Modulation Contrast®.

Efficient User Friendly Stage

- Features a low profile, making it the ideal size for a lab bench or under a safety hood. Plus, the acrylic window insert on the stage, makes it easy for the operator to see which objective is being used without removing the specimen from the stage.



Accessories

- Mechanical stage, micromanipulators, CCTV or Digital Camera attachments and Auxiliary stages.

Specifications

Optical System	CFI60 infinity system, parfocal distance 60mm
Main Body	Square box type with both-end support stage
Focusing	Vertical objective movement
Coarse Stroke	37.7 per rotation, Fine stroke: 0.2mm per rotation
Eyepiece Tube	Siedentopf-type trinocular tube
Interpupillary distance	50-75mm, Eyepoint height: 400mm from table, Inclination: 45° from horizon
Nosepiece	Quintuple nosepiece, backward-facing type
Plain stage:	Stage size: 170x225mm, Stage height: 195mm from table, Acrylic window provided, Auxiliary stage attachable
Illumination	Pre-centered 6V-30W halogen lamp, Filter frame (accepts 2 filters), heat absorbing filter and diffuser
Slider	Non-centerable phase slider (PHL, Ph1, empty position), Ph2 ring 2 (optional) Centerable phase slider (PHL, Ph1, empty position), Ph2 ring (optional) HMC® slider (MC1, MC2, MC3)*
Attachable mechanical stage	Stage movement: 126 x 80mm Accepts several micro-testplate holders
Holder	Terasaki holder (accepts 65mm petri dish) Slide glass holder (accepts 65mm petridish) Hemacytometer holder
Filter	45mm NCB11, ND8 and 541 (green interference)
Eyepiece lens	C-W 10X (F.O.V. 22mm), C-W 15X (F.O.V. 16mm)
Condenser	ELWD condenser: N.A. 0.3 (O.D. 75mm) HMC condenser: N.A. 0.4 (O.D. 44mm)*
Epi-fluorescence attachment	Field diaphragm, Fluorescence filter block holder (2 filter blocks mountable, 1 empty position), Heat absorbing filter, Lamphouse for 50W mercury lamp, Light shielding plate, UV-cut filter (detachable)

*Note: Hoffman Modulation Contrast and HMC are registered trademarks of Modulation Optics, Inc. Not available for sale in North America.

Nikon

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Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. January 2000.

