

WALTER-3000 Gold

INFINITY OPTIC SYSTEM



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FEATURES

INFINITY OPTIC SYSTEM

A new generation of microscopes feature Walter infinity high contrast Plan Achromatic DIN optics. The standard Köhler illumination system provides uniformly bright and free-from-glare specimen illumination, which optimizes a high image quality with brighter and sharper resolutions for micrography. The compact body is designed for flexibility, which can perform various applications such as brightfield, darkfield, and polarization. Trinocular microscope can be equipped with digital camera and Retina screen for photo and video documentation and image analysis.

Features and specifications:

Viewing Head	Siedentopf binocular or trinocular head 50/50 light splitting ratio
	Interpupillary adjustment of 48mm-75mm
	30° inclined and 360° rotatable, fully up or down swiveled eyepiece tubes
Eyepiece	Both diopter adjustable, High eyepoint 10x and 25x widefield eyepieces
Reverse Nosepiece	Quintuple objective nosepiece
Objectives	Infinity corrected, high contrast (HC) Plan Achromatic DIN 4X/0.10 ∞/0.17
	Infinity corrected, high contrast (HC) Plan Achromatic DIN 10X/0.25 ∞/0.17
	Infinity corrected, high contrast (HC) Plan Achromatic DIN 20X/0.40 ∞/0.17
	Infinity corrected, high contrast (HC) Plan Achromatic DIN 40XR/0.65 ∞/0.17
	Infinity corrected, high contrast (HC) Plan Achromatic DIN 100XR/1.25 oil ∞/0.17
Focusing System	Low position coaxial coarse and fine focus knobs
	37.7mm per coarse rotation
	0.1mm per fine rotation, fine focus graduation of 1µm
Stage	216mmx150mm built-in double layer mechanical stage
	Smooth X/Y calibrated movement with cross travel range 7.5cm x 5.5cm
	Non-extending rack
	Graphite surface, rounded edges
Condenser	Flip top Abbe condenser
	0.9 Dry/1.25 Oil(with slot for slider)
Illumination	Built-in Kohler illumination with field diaphragm
	Focusable N.A. 1.25 Abbe condenser, adjustable aperture iris diaphragm with graduated scale
	With slot for slides
	5w LED
	With light intensity control
Optional Accessory	Dark field kit, Polarizing kit
Dimensions and Weight	21"x12.8"x15.4"/21 lbs

Standard built-in features, added value to microscope

- Both high eyepoint eyepieces with diopter adjustment, 22mm wide field of view.
- Free rotation of binocular ocular tubes up or down, the viewing height can be changed to suit individual viewing position.
- Special large work stage 216 X 150 mm, with non-extending rack.
- Standard Koehler illumination with field diaphragm for optimum illumination and contrast .
- 5w LED to ensure brilliant images in different application requirements.
- Standard high contrast plan infinity objectives, 4X, 10X, 20X, 40XR, 100XR with quintuple nosepiece

Walter Gold - Quintuple nosepiece Infinity HIGH CONTRAST plan objectives microscope

Item No.	Description	Infinity HC Plan DIN Objectives	Illumination
3010-L5	Trinocular Head	4X, 10X, 20X, 40XR, 100XR	5W LED - Kohler





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11.6” Retina HD Display with 5MP Camera

This bundle combines an HD retina screen and 5MP digital eyepiece camera for a full high-definition experience. The camera can connect to the monitor directly through the HDMI port, eliminating the need for a computer. User will be able to record videos, capture images, take measurements, save files and export directly to the included SD card. A USB mouse is also included for convenience of use.

Features and specifications:

11.6” HD Retina Screen

Size	11.6”
Ratio	16:9
Resolution	1920 x 1080
Port	HDMI

Digital Camera

Sensor	CMOS
Resolution	5 mega pixels
Max Resolution	2592 x 1944
Frame Rate	15 frames per second
Output Port	USB2.0, SD, HDMI
Compatiblity	Windows, Linux, Mac

