

Comparison Scope 2
 Dual Purpose
 Binocular Head

Model # TU-19243C / TU-19243C-230



Detailed Specifications (January 2014)

Head	Eyepieces	2 – WF10x 19mm eyepiece with built-in coating for humidity and poor climate; 1 with pointer; all fixed to avoid loss and damage
	Eyepiece Tubes	1 – Variable adjustment $\pm 0.20x$ for varied eye strengths.
	Binocular Siedentopf	30° Angle 360° rotation head with 2 eyepieces
Frame	Aluminum Single Cast body	“Y” shape base for ideal research application
	Integrated Stow and Go Handle™	Retractable Handle for transport are integrated into the body of the unit.
	Integrated storage	Storage compartment with built-in receptacle for the external power supply
	“Table Guard” protection base	Base outlined with resilient polymer to avoid daily damage to the Microscope or the surrounding surfaces
	Illumination	Ken-A-Vision LED cool lighting source with very long life (12,000+ hours), on/off switch, and dimmer rheostat. On/off switch and dimmer are separate, dimmer rheostat is low position light control
	Upper Illuminator	Upper light for Opaque and multi-dimensional specimens
Optics	Nose Piece	Reversed 4 hole nose piece with 4 position ball bearing action stop, 360 full rotation
	Objectives	4 – lead free, humidity and climate protected by special coating; manufactured according to DIN: Achromat 2x N.A. 0.05, Achromat 4x N.A. 0.10, Achromat 10x N.A. 0.25, Achromat 40x N.A. 0.65 (with built-in spring action tip to avoid crushing of specimen).
	Power	USB compliant / IEC 62684:2011 charging system standardized on external USB to AC adapter 5V--1A DC operation included or USB 2.0 computer port or backward compliant for legacy power supply 5.5V--500mA; 7.5V--800mA
Stage	Mechanical Stage	Coated 130x 120mm, coaxial lower position separate knobs for movement in x and y direction (30 and 80mm) Scaled at 0.1mm on a vernier scale, locking screw, (stage stop) which limits the vertical hub of the stage, protecting samples and objectives. Rack & Pinion Abbe 1.25 NA & Iris
	Focus	Low position coaxial focus with left or right hand low drive control; with rotating mechanism and torque adjustment 1 coarse rotation from minimum to maximum stage height. Fine 0.002mm per unit scale mechanism, rubber grips on both fine and coarse focus knobs; Fine focusing scale value 0.002mm
Optional upgrades	Eyepiece	WF 16x, WF 20x
	Achromatic Objective	20x, 60x(S), 100x(S) Oil
	Plan Objective	4x, 10x, 20x, 40x(S), 60x(S), 100x(S) Oil
	Semi-Plan Objective	4x, 10x, 20x, 40x(S), 60x(S), 100x(S) Oil
	Illumination	Halogen bulb 6v/20W, Adjustable Brightness
Packing	Boxing	Four inner cartons in one outer carton
	Protective Cover	Durable Clear Dust cover with Ken-A-Vision logo
Certificates	Patents	Multiple Patents Pending
	Quality Certificates	ISO:9001--2000
	Local Certificates	CE, CSA, RoHS
	Warranty Guarantee	10 Years against manufacturing faults