



**Comprehensive Scope 2
Monocular Head w/
Mechanical Stage**



Model # T-19012C / T-19012C-230

Detailed Specifications (October 2010)

Head	Eyepieces	1 – 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.
	Monocular View with 30°	1 -- 30° Angle 360° rotation attached eyepieces comfortable student or teacher viewing
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
	Power	Low voltage external power supply 120 ~ 240V $\pm 500mA$ (stored in frame) detachable
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 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), Achromat 100x N.A. 1.25 oil immersion (with built-in spring action tip to avoid crushing of specimen)
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
Stage	Fixed Plain Stage w/Side	12cm x12 cm x .7cm modular attachment to frame 2 spring loaded clips for slides
	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	Viewing Head	Dual View with 30° incline opposing view
		Compensation Free Binocular Head
		Compensation Free Trinocular Head
		Monocular Digital Head
		Compensation Free Digital Binocular Head
	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	Two inner cartons in one outer carton
	Protective Cover	Durable Clear Dust cover with Ken-A-Vision logo
	Weights and Dims	15lbs/6.8kgs - 20" X 16" X 13"/50.8cm X 40.64cm X 33.02cm
Certificates	Patents	Multiple Patents Pending
	Quality Certificates	ISO:9001--2000
	Local Certificates	CE, CSA, RoHS
	Warranty Guarantee	10 Years against manufacturing faults