



Comprehensive Scope 2
 Monocular Head Mechanical
 Stage PLAN Objectives



Model # T-19018CP / T-19018CP-230

Detailed Specifications (April 2012)

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° incline	1 -- 30° Angle 360° rotation attached eyepieces comfortable student or teacher viewing	
Frame	Aluminum Single Cast	“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	3 – lead free, humidity and climate protected by special coating; manufactured according to DIN: PLAN Achromat 4x N.A. 0.10, PLAN Achromat 10x N.A. 0.25, PLAN Achromat 40x(S) N.A. 0.65 (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	
	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	
	Eyepiece	Compensation Free Digital Binocular Head	
		WF 16x, WF 20x	
		Achromatic Objective	4x, 10x, 20x, 40x(S), 60x(S), 100x(S) Oil
		Plan Objective	20x, 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	