



Research Scope with Trinocular Head & Infinity Semi Plan Objectives

Model # T-29045 / T-29045-230

Detailed Specifications (August 2009)

Head	Eyepieces		2 – WF10x 20mm with EyeGlass Guards eyepiece coating for humidity and poor climate
			Eyepiece Pointer
	Eyepiece tubes		2 – 1 Variable adjustment \pm 0.50X for varied eye strengths.
	Trinocular with 30° incline opposing view		2 – 30° Angle 360° rotation attach the 2 eyepieces
Frame	Aluminum Single Cast Body		Research based stable all metal construction
	Illumination		Halogen tungsten bulb, 12V 20W AC 85V – 240V; input Adjustable (variable) brightness
	Collector		High bright Kohler illumination
Optics	Nosepiece		Reversed 4 hole nosepiece 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: Infinity Semi Plan Achromatic 4x N.A. 0.10, Infinity Semi Plan Achromatic 10x N.A. 0.25, Infinity Semi Plan Achromatic 40x N.A. 0.65 (with built-in spring action tip to avoid crushing of specimen) and 100x (spring loaded) oil N.A 1.25
Stage	Mechanical Lower Position		Double Layer mechanical stage 180mm X 150mm; movement range 75mm X 50mm vernier X/Y with scratch resistant coating
	Condenser		Factory centered 1.25 with rack and pinion, set screw adjustments, filter holder and filters
Focus	Coaxial Coarse and Fine		Low position coaxial focus with left or right hand low drive control; with rotating mechanism and torque adjustment .75 course rotation from minimum to maximum stage height. Fine 0.002mm per unit scale mechanism, ergonomic scale on both fine and course focus knobs.
Optional upgrades	Viewing Heads		Binocular Head
	Eyepiece		WF5x, WF20x
	Objectives	Achromatic Objective	4x, 10x, 20x, 40x(S), 60x(S), 100x(S) Oil
		Semi-Plan Objective	4x, 10x, 20x, 40x(S), 60x(S), 100x(S) Oil
		Plan Objective	4x, 10x, 20x, 40x(S), 60x(S), 100x(S) Oil
		Infinity Achromatic	4x, 10x, 20x, 40x(S), 60x(S), 100x(S) Oil
		Infinity Semi-Plan	20x, 60x(S)
		Infinity Plan	4x, 10x, 20x, 40x(S), 60x(S), 100x(S) Oil
	Turret Phase Contrast		Attachment for Research 29 series
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	Carry Case for Research series		Padded and locked
5 hole Nose Piece		For Research 29 series Attachment	
Packing	Boxing		Two inner cartons in one outer carton
	Protective Cover		Durable Clear Dust cover with Ken-A-Vision logo
Certificates	Quality Certificates		ISO:9001–2000
	Local Certificates		CE, CSA, RoHS
	Warranty Guarantee		10 Years against manufacturing faults