



# BA310MET-T Binocular

The BA310MET is an affordable and powerful Metallurgical microscope series of robust Incident light microscopes. Now Industrial quality control can be performed for all opaque materials like minerals and metal samples with ease and efficiency. Also, the BA310MET performs well in Educational environments of engineering and material professions, where affordability and ease-of-use are key demands.

<b>Model</b>	BA310 MET-T Binocular
<b>Optical System</b>	Colour Corrected Infinity Optical System (CCIS®)
<b>Observation tube</b>	Binocular head, 360° swiveling
<b>Interpupillary distance</b>	48-75mm
<b>Inclination</b>	30° inclined
<b>Eyepieces</b>	N-WF10X/20mm with diopter adjustment, +/- 5 diopter, cross reticle on one eyepiece
<b>Nosepiece</b>	Reversed quintuple revolving nosepiece
<b>Objective classification</b>	Infinity Corrected CCIS LM Plan Achromatic, DIN 45mm
<b>Objectives</b>	5X/0.13 (WD 20.3mm), 10X/0.25 (WD 17.5mm), 20X/0.4 (WD 8.1mm), 50X/0.55 (WD 8.4mm)
<b>Objective mounting thread</b>	W 4/5" x 1/36" (RMS standard)
<b>Stage</b>	Mechanical stage, hard coated with built-in low position coaxial stage control
<b>Stage size</b>	240x140mm or 300x180mm
<b>Mechanical stage X&amp;Y range</b>	(Stroke 3"x2") 75x50mm
<b>Upper limit stop</b>	Upper limit stop preset but adjustable
<b>Condenser</b>	Focusable Abbe condenser N.A. 0.85 with iris diaphragm
<b>Focus mechanism</b>	Coaxial coarse and fine focusing system with tension adjustment
<b>Fine Focus precision</b>	2 µm minimum increment
<b>Z-axis movement</b>	30mm
<b>Reflected illumination</b>	Epi-illuminator 12V/50W Quartz Halogen or 3W LED with integrated field and aperture diaphragms and external lamp house
<b>Transformer</b>	External
<b>Power supply</b>	100-240V (CE)
<b>Transmitted illumination</b>	6V/30W Quartz Halogen or 3W LED Koehler illumination with intensity control
<b>Transformer</b>	Internal
<b>Power supply</b>	100-240V (CE)
<b>Accessories included</b>	Blue, frosted, green and yellow filters, power cord, dust cover, and allen key
<b>Dimensions</b>	508x240x465mm
<b>Weight</b>	12,5kg