



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
 Powai, Mumbai 400076.

Technical Specifications for Polarized Microscope

RFX NO. 610000863 (Reference No. 1000018086)

	Our Specifications	
Instrument Design		Polarized Microscope
1). Optical System and Observation		Transmission
2). Focusing		Coaxial coarse and fine focusing knobs
3). Illumination system		Brightfield, simple polarizing observations Precentered Lamphouse Filter Holder Filter Color balance compensation filter Polarizer system
4). Magnification		5X up to 200X
5). Optical System	Polarized Lenses	5x 10x 20x 40x
6). Observation and Recording System		Trinocular Tube 1 Eyepiece Lens with 10X magnification and diopter adjustment 1 Eyepiece Lens with 10X magnification and diopter adjustment and cross lines Eyepiece Guard Polarizing stage Adapters for Camera
7). Analyser		360 deg. dial rotatable . Rotatable min. angle 0.1 deg
8). Mechanical Stage		360 deg rotatable graduated in 1 deg. increments Provision for slide holder & mechanical stage attachments
9). Stage Micrometer		Stage Micrometer Type A (1 mm/100 Div)
10). Upgradability		The instrument should be compatible with a Linkam mechanical stage such as CSS450 or TST, and this must be established by peer reviewed publications Must be upgradable to darkfield and DIC from the same supplier

11).Calibration Kit		System should be provided with certified stage micrometer scale for reticle calibration and testing the alignment
12). Compensator and C mount		Suitable compensator and C mount adaptor
13). Accessories		Dust Cover, Stage micrometer

- Warranty : 2 years of Comprehensive warranty from the date of successful installation / commissioning of equipment.