

# M Microscope-Comparator



## Model: RPP-350 Series, With Motorized Focusing

**Sophisticated Instrument with Data Processor or Software for precise measurements**  
**Standard Features:**

Compact light weight Table Top with easy operations • 360mm dia. screen with 90° cross line & chart holders • Projection Light Source with 24V/1 SOW Halogen Lamp • Double Oblique Light Source for Surface Illumination • Two adjustable dichroic reflector lamps 12V/100W each • Motorised Focusing with 60mm focusing range • High Quality objective lenses. Optical distortion below 0.15% • Standard magnifications : 10x, Optional : 20x, 50x & 100x • High Quality European made objective lenses. Optical distortion below 0.1% • Optional Work Tables for Micrometer Heads & for linear scales with Digital Readout • Cooling by built-in noiseless & vibration free fan • Available in 110V & 220V through low voltage transformers • Supplied complete with operating instruction manual • Optional Cabinet base metal stand.

### Projection Capacity:

	Contour Illumination				Surface Illumination			
Magnification	10x	20x	50x	100x	10x	20x	50x	100x
View Field Diam. (mm)	36	18	7.2	3.6	36	18	7.2	3.6
Working Distance (mm)	115	95	46	35	115	95	46	35

### Common Specifications:

Models		RPP-350	RPP-3000	RPP-250
Projected image		Inverted		
Protractor Screen	Effective Diameter	360mm	300mm	250mm
	Screen material	Fine ground glass		
	Reference line	90° Cross Hair Line		
	Angle display	LED with resolution 1' or 0.01°	Vernier with resolution 6 min. LED with resolution 1' or 0.01°	Vernier with resolution 6 min.
Projection Lens		10X		
Magnification Accuracy	Contour illumination	±0.10% or less	±0.11% or less	±0.15% or less
	Surface Illumination	±0.12% or less	±0.15% or less	±0.16% or less
Contour Illumination	Light source	24V/1 SOW Halogen		
	Optical System	Telecentric		
	Functions	Brightness Control, Fan cooling		
Surface Illumination	Light source	12V/100W Halogen		
	Optical System	Double Light Source with dichoric halogen lamp with faceted surface for bright illumination		
Focussing		Motorized	Floating	Rack & Pinion
Power Supply		110/240VAC, 50/60Hz		
Net Weight		150Kgs.	75Kgs.to95Kgs.	40Kgs.
Standard Accessories		10x Projection Lens, Halogen Bulb, Vinyl Cover, Fuse, Cleaning Cloth and Operating Manual		

### Model No. & Specifications:

Models	RPP-350	RPP-350DM	RPP-350DR
X-Y Range	75x75mm	75x75mm	200x100mm
Effective Table Area	125x125mm	125x125mm	275x180mm
Measuring Unit	Micrometer Heads	Digimatic Micrometer Heads	Built-in Linear Scales
Resolution	0.001mm	0.0001mm	0.0001mm/0.00005"
X-Y Counter	No	No	Yes
Angle Counter	Optional	Optional	N
Optical Edge Detector	No	Yes	No
Rotary Measuring Stage	Yes	Yes	Optional
Table Size	150x150mm	150x150mm	310x250mm
Maximum Workpiece Height	116mm	116mm	110mm
RPP Software	No	No	No
Dimensions/Weight	50x84x104cms./150Kgs.		

Models	RPP-350DRA	RPP-350DRS	RPP-350DP
X-Y Range	200x100mm	200x100mm	200x100mm
Effective Table Area	275x180mm	275x180mm	275x180mm
Measuring Unit	Built-in Linear Scales	Built-in Linear Scales	Built-in Linear Scales
Resolution	0.0001mm/0.00005"	0.0001mm/0.00005"	0.0001mm/0.00005"
X-Y Counter	Yes	Yes	Yes
Angle Counter	Yes	Yes	Yes
Optical Edge Detector	No	No	Yes
Rotary Measuring Stage	Optional	Optional	Optional
Table Size	310x250mm	310x250mm	310x250mm
Maximum Workpiece Height	110mm	110mm	110mm
RPP Software	No	Yes	No
Dimensions/Weight			