

Vertical Enhanced Type Digital Optical Comparator

PV-3000A series (Reverse image) / **PV-3000AE series** (Erect image)

● Features:

The accuracy of PV-3000 series optical comparator can reach the international level.

1. Max travel distance can be up to 250 x 150 x 100 mm
2. High precision table design can afford load of 50 kgs without affecting the measuring performance.
3. Design with elevation of projecting screen for focusing to ensure stability and high precision.



PV-3015A/3015AE

■ PV-3000A(E) Series Specifications:

Model		PV-3015A(E)		PV-3020A(E)		PV-3025A(E)	
Stage size (mm)		354 x 228		404 x 228		450 x 280	
Glass size (mm)		210 x 160		260 x 160		306 x 196	
X-axis travel (mm)		150		200		250	
Y-axis travel (mm)		100		100		150	
Z-axis travel (mm)		100 (for focusing)		100 (for focusing)		100 (for focusing)	
Measuring accuracy (μm)		≤3.0 + L/75 ; L: measuring length (mm)					
Resolution (X/Y-axis)		0.5 μm					
Projector Screen	Size (mm)	12" (Ø312) , usable range > Ø300					
	Rotation range	0 ~ 360°					
	Angle resolution	1' or 0.01°					
Objective Lens	Magnification	10X(Standard)	20X(Opt.)	50X(Opt.)	100X(Opt.)		
	Object view (mm)	Ø30	Ø15	Ø6	Ø3		
	Working Dist. (mm)	77.7	44.3	38.4	25.3		
	Max. work piece height (mm)	90	90	90	90		
Data processing system		DC-3000 multi-function data processing system : Coordinate skew, mm/inch conversion, ABS/INC conversion, Zero setting, ½ calculation, 0° 90° 270° 360° conversion, linear compensation, RS-232 data output					
Illumination		Transmission and reflection light source : 24V/150W-halogen lamp					
Power		110V/220V(AC) , 50/60Hz , 400W total power					
Light source cooling		Forced air cooling					
Instruments dimension (mm)		780 x 780 x 1100		780 x 780 x 1100		810 x 780 x 1100	
Weight (kg)		160		160		180	
Option		Rotary table, swivel center support, edge detector and so on, please refer to accessories of optical comparator for more detail.					