

Digital Optical Comparator **PV-3000D Series (Erect image)**

PV-3000DE Series Digital Optical Comparator the Z-axis uses stepper motor drive, electric focusing, simultaneously increasing the count in the Z-axis grating, ladder components can be measured, greatly increased the performance. In addition, PV-3000DE Series projectors, the lens magnification is complete, customers can measure according to the different objects match different lens.

Features:

5X Lens

Larger vision; electric Z axis, a better mode of operation.



Note :

Due to keeping innovation, the specification and Machine pictures or color are subject to alteration without notice!

PV-3000DE Series Specificaitons:

PV-3000DE

Model		PV-3015DE			PV-3020DE	
Stage size (mm)		354 x 228			404 x 228	
Glass table size (mm)		210 x 160			260 x 160	
X、Y-axis travel (mm)		150 x 100			200 x 100	
Z-axis travel (mm)		100			100	
Z-axis Speed (mm/s)		5, 1, 0.01 (adjustable)				
Measuring accuracy (μm)		X、Y-axis: 3.0 + L/50 ; Z-axis: 4 + L/10; L: measuring length (mm)				
Resolution (X/Y/Z-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	5X(Opt.)	10X(Std.)	20X(Opt.)	50X(Opt.)	100X(Opt.)
	Object view (mm)	Ø60	Ø30	Ø15	Ø6	Ø3
	Working Dist. (mm)	53	77.7	44.3	38.4	25.3
	Max. work piece height (mm)	90	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 : 24V/150W-halogen lamp, Forced air cooling Reflection: 21V/150W-halogen lamp with fiber, Forced air cooling				
Power		110V/220V(AC) + 50/60Hz + 400W total power				
Light source cooling		Forced air cooling				
Instruments dimension (mm)		670 x 570 x 1250				
Weight (kg)		150				
Option		Rotary table, swivel center support, edge detector, M2D and so on, please refer to accessories of optical comparator for more detail.				