

All Series Digital Optical Comparator

PV series profile projectors are reliable and affordable measuring system of high precision and efficiency. The optical comparator is widely used in calibration labs or on the shop floor as a stand-alone unit. It's also a good choice for general purpose tool room work to measure complex shapes and hole patterns easily and quickly. We have made erect image type to meet different requirements.

■ Vertical Standard Type Digital Optical Comparator PV-3000 series (Reverse image) PV-3000E series (Erect image)

● Features:

1. Excellent optical measuring system to project precisely magnified image.
2. Accuracy of the contour measuring is under 0.08%.
3. Equipped with Mini-printer and DC-3000 data processing system and foot-switch for measuring.
4. Erect image measuring for different requirements.

Note :

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



PV-3015/3015E

■ PV-3000(E) Series Specifications:

Model		PV-3007(E)		PV-3010(E)		PV-3015(E)			
Stage size (mm)		260 x 152		306 x 152		340 x 152			
Glass table size (mm)		125 x 100		175 x 100		196 x 96			
X-axis travel (mm)		75		100		150			
Y-axis travel (mm)		50		50		50			
Z-axis travel (mm)		90 (for focusing)		90 (for focusing)		90 (for focusing)			
Measuring accuracy (μm)		3.0 + L/75 L: measuring length (mm)		3.0 + L/50 L: measuring length (mm)		4.0 + L/25 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)	80		80		80		80	
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)		770 x 550 x 1100			770 x 550 x 1100			770 x 550 x 1100	
Weight (kg)		120			125			130	
Option		Rotary table, swivel center support, edge detector and so on, please refer to accessories of optical comparator for more detail.							