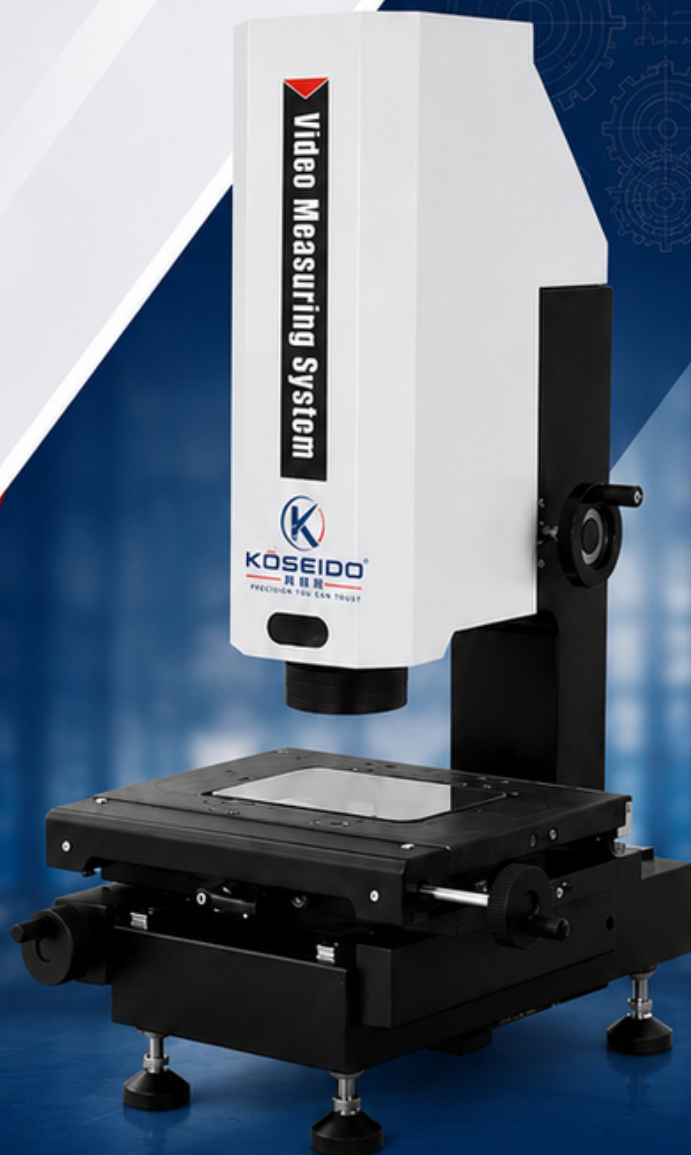


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DEVICES



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RESEARCH &
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Video Measuring Projector K-VMD Series



Product Characteristic:

- Adopts granite stone base and column to ensure the stability and precision of the machine;
- Adopts toothless polished rod and fast-moving locking device to ensure that the return error of the table is within 2um;
- Adopts high-precision instrument optical ruler and precision worktable to ensure E1 accuracy of the machine is within $\leq 3+L/200\mu\text{m}$;
- Adopts zoom lens and high-resolution color digital camera to ensure clear picture quality without distortion;
- Adopts LED cold surface light source and bottom LED parallel light source as projector illuminations;
- Adopts to adjust the suitable color of Cross line to aim the measured points;
- Adopts high-quality color screen metrology multifunction digital readout DP400 as data process system.

Technical Specifications :

Commodity		Video Measuring Projector K-VMD Series			
Model		K-VMD-1510	K-VMD-2010	K-VMD-3020	K-VMD-4030
Granite Stage		(310*220) mm	(390*220) mm	(505*350) mm	(605*450) mm
Glass Stage		(179.5*129.5) mm	(229.5*129.5) mm	(356*248) mm	(456*348) mm
X/Y Axis Travel		(150*100) mm	(200*100) mm	(300*200) mm	(400*300) mm
Z Axis Travel		100mm	100mm	200mm	200mm
Linear Scales		Resolution: 0.5um			
Instrument Base and Column		High Precision Granite Stone			
Measurement Accuracy*	E1x,y	3+L/200um			
	E1xy	5+L/200um			
	E1z	5+L/200um			
Repeatability Accuracy		2um			
Illumination System		LED cold surface light			
		Bottom LED parallel light			
		Optional coaxial light			
HDMI Camera		1/3" 2MPixel High Resolution Camera: 1920*1080@30fps			
Video Magnification		6.5X High-Resolution Zoom lens with Optical Magnification: 0.7X~4.5X,			
		Video Magnification: 26X~172X (21.5" Monitor)			
Wireless Mouse		Applied to adjust the suitable color of Cross line to aim the measured points			
HDMI LCD Monitor		21" HDMI LCD Monitor			
Measurement Data Process		Digital readout DP400 with English			
Power Supply		AC220V/50Hz; 110V/60Hz			
Dimension (WxDxH)		(462*401*725) mm	(477*452*725) mm	(744*643*1075) mm	(908*776*1070) mm
Gross/Net Weight		60/48Kg	65/50Kg	275/208Kg	283Kg

The Measuring Space of K-VMD Series:

Travel mm	Model	X Axis Travel mm	Y Axis Travel mm	Z Axis Standard Travel mm	Z-axis Maximum Customized Travel mm
150x100x100	K-VMD-1510	150	100	100	-----
200x100x100	K-VMD-2010	200	100	100	200
250x150x200	K-VMD-2515	250	150	200	300
300x200x200	K-VMD-3020	300	200	200	400
400x300x200	K-VMD-4030	400	300	200	400
500x400x200	K-VMD-5040	500	400	200	400

Multifunction Digital Readout of Video Measuring Projector

DP400



Systemic		mm	1	POL
Systemic	Point Hits:		01	
Advanced	Line Hits:		02	
Equalize	Circle Hits:		03	
Language	Ag.Type:		DD	
Ports	Key click:		be on	
Supervisor	Backlight:			
Printer	Decimal MM:		03	
RI Mode	Decimal INCH:		03	
Adjust EDGE	Decimal Ag.:		03	

Advanced		mm	1	POL
Systemic	Z-Axis Type:		Linearity	
Advanced	X-Rescaling:		0.001±	
Equalize	Y-Rescaling:		0.001±	
Language	Z-Rescaling:		0.001±	
Ports	Q-Rescaling:		360.0000	
Supervisor	Reverse X:		Yes	
Printer	Reverse Y:		Yes	
RI Mode	Reverse Z:		Yes	
Adjust EDGE	Load Defaults:		ENTER	

Equalize		mm	1	POL
Systemic				
Advanced				
Equalize	1. Correction Type			
Language	2. Linear Error Correction			
Ports	3. Section Error Correction			
Supervisor				
Printer				
RI Mode				
Adjust EDGE				

Features:

- 5.6 " Color Screen and Sealed silicone touch button, with full information, friendly operation, long using life;
- Save 100 permanent image elements, can set and save current date;
- Multi-function Measurement: Point, line, circle, angle, distance, rectangular, screw thread, ellipse, slot, rounding, preset, construction, and so on;
- Obverse or Opposite direction counting function, 1/2 value, midpoint, permission function, Call function, REC (record) function, and Cycle measurement;
- Section and linear compensation are available for 3-axis, highly ensure measurement accuracy;
- Can connect foot switch, printer, optical edge detection and other multiple auxiliary measurement tools;
- With polar and coordinate system, and can display millimeter and inch, and can shift easily;

- With independent password permission function, to prevent the possibility of data deviation by wrong operation, it can also change the original setting by password permission;
- Support multiple language: English

Specification:

Commodity	Multifunction Digital Readout of Video Measuring Projector
Model	DP400
Language	English
LCD Screen Size	115mm×85mm
LCD Screen Resolution	640*480
Digital Display Range	8Digits (With Decimal Point)
Display Axis	3-axis (X,Y,Z/Q)
Z/Q Display Model	Length or Angle
Angle Display Model	Degree, Minutes and Second or Degree
Signa of Linear Scales	TTL square-wave or AC sine wave of two 90 ° phase angle difference, drive capacity larger than 10MA
Linear Scale Resolution	0.1um,0.2um,0.5um, 1um,2um,5um
Baud Rate	4800,9600,14400,19200,38400,57600
Data Output Port	RS232, DB-9 Parent interface
Operation Keyboard	Sealed Silicone touch-type keyboard
Expansion port	Foot Switch, Printer, Optical Edge Finder, etc
Input Power Supply	AC90V-240V,15W

Standard Delivery:

Commodity	Quantity	Commodity	Quantity
Video Measuring Projector K-VMP-1510	1PCS	K-VMS-3000 Light source Controller	1PCS
Digital Readout DP400	1PCS	Wireless Mouse	1PCS
21" LCD HDMI Monitor	1PCS	Warranty Card/ Qualification /Manual	4COPIES



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