

OpenSYS 70 / 150

Video measuring system

MA 183 & MA 185



This entry-level system offers great ease of measurement. Its small size and weight makes it particularly practical in a workshop. Its simplicity of use is an asset for any operator.

- Granit base.
- Manual X-Y table.
- Manual precision Z column.
- Zoom-optics with indexes.
- 3.2 Mpx USB 3.0 color camera.
- LED circular illuminator.
- Computer with 27" monitor.
- Glass chromium deposit calibration ruler.
- Wide choice of measuring and comparison software.

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Technical specifications





OpenSYS 70

OpenSYS 150

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X-Y table range [mm]	70x70 manual 150x70 manual			
Table precision [mm]	0.003	3/100		
Z column range [mm]	150 manual	150 manual		
Column precision [mm]	0.030	/100		
X-Y axis rulers	Acu-Rite	Heidenhain		
Display resolution [mm]	0.0	001		
Maximum height of part to measure [mm]	18	50		
Weight (kg)	24	53		
Dimensions column lowered (W x D x H) [mm]	410 x 370 x 550	550 x 440 x 550		

Optical choice 1				
Camera	Color 3.2 Mpx USB 3.0			
Optics	12X zoom / 8 indexes with or without coaxial illuminator			
Magnifications *	25X to 310X			
Fields of view [mm]	18.3 x 13.7 to 1.5 x 1.1			
Pixel resolution [µm] **	8.9 to 0.7			
Focal length [mm]	86			

Optical choice 2				
Camera	Color 3.2 Mpx USB 3.0			
Optics	12X zoom / 8 indexes with or without coaxial illuminator			
Magnifications *	40X to 465X			
Fields of view [mm]	12.2 x 9.2 to 1 x 0.7			
Pixel resolution [µm] **	5.9 to 0.5			
Focal length [mm]	86			

Optical choice 3				
Camera	Color 3.2 Mpx USB 3.0			
Optics	6.5X zoom / 4 indexes with or without coaxial illuminator			
Magnifications *	30X to 200X			
Fields of view [mm]	15.1 x 11.4 to 2.4 x 1.8			
Pixel resolution [µm] **	7.4 to 1.1			
Focal length [mm]	92			

^{* =} Indicated magnifications are calculated on 27" monitor and may be reduced by up to 12% according to the software configuration.
** = Camera pixel size / (sensor size / field of view)

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Software						
Functions	VideoSYMBOL	VideoPIC	VideoDOC	VideoRET Plus	VideoPLAN	M3
Displaying a reticle / cross	•	V	V	V	V	V
Saving an image	V	V	V	V	V	V
Saving measurements	-	-	V	V	V	V
Measuring / displaying angles	V	-	V	V	V	V
Distance measurement	-	-	V	V	V	V
Depth measurement	-	-	-	-	V	V
Importing and comparing DXF drawing	-	-	-	V	V	V
Diameter and radius measurement	-	-	V	V	V	V
Measurement protocol	-	-	V	V	V	V
Display of X and Y axis	-	-	-	-	V	V
Display of Z axis	-	-	-	-	V	V
Automatic measurement by image processing	-	-	-	-	-	V
Displaying and moving up to 2 pairs of lines	-	-	-	-	-	-
Displaying and moving up to 3 pairs of lines	-	-	-	-	-	-

Choice of axis display						
Axis Display	•	•	•	•	-	-
Mx100	•	•	•	•	-	-
Mx200	•	•	•	•	-	-

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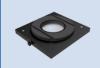
Opt	ions
Concentricity measuring tool for T-slot MA 143-007-02 (70) MA 145-003-02 (150)	
Concentricity control for T-slot MA 145r (150)	

Manual divider for T-slot

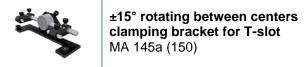


Cast iron rotary table with graduation MA 145-15-70G (150)





Aluminum rotary table MA 145-16-70 (150)



MA 145d (150)



Vice (capacity 15mm) MA 143b-004 (70 / 150)



Prism with clamping flange for T-slot MA 145e (150)



Adjustable vice (capacity 15mm) MA 143b-005 (70 / 150)



Crocodile-pliers for T-slot MA 145b (150)



Crocodile-pliers on round support MA 143-010-01 (70 / 150)



Clamp with parallel jaws for T-slot MA 145b-001 (150)



Clamp with parallel jaws on round support MA 143-010-02 (70 / 150)



Collet holder for T-slot MA 145bZ (150)



Collet holder on round support MA 143-010-03 (70 / 150)



V-block with spring clip for T-slot MA 145c (150)



V-block with spring clip on round support MA 143-010-04 (70 / 150)



Ø40mm diaphragm for transmitted illuminator 45-030-01 (150)



Digital ruler Z-axis MA 461-170 (150)



Digital display Mx100 MCA-300-101 (150)



Digital calculator Mx200 MCA-300-201 (150)

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