

OpenSYS 70 / 150 / 200

Video measuring system



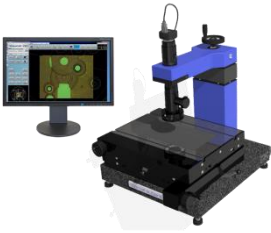
MA 183-042, MA 185-021 & MA 186-022



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.
- 1.3 Mpx USB 3.0 color camera.
- LED circular illuminator.
- Computer with 24" monitor.
- Glass chromium deposit calibration ruler.
- Wide choice of measuring and comparison software.

Technical specifications

	 OpenSYS 70	 OpenSYS 150	 OpenSYS 200
X-Y table range [mm]	70x70 manual	150x70 manual	200x100 manual
Table precision [mm]		0.003 / 100	
Z column range [mm]	150 manual	150 manual	150 manual
Column precision [mm]		0.030 / 100	
X-Y axis rulers	Acu-Rite	Heidenhain	Heidenhain
Display resolution [mm]		0.001	
Maximum height of part to measure [mm]		150	
Weight (kg)	24	53	104
Dimensions column lowered (W x D x H) [mm]	410 x 370 x 550	550 x 440 x 550	650 x 550 x 650

Optical choice 1

Optics	12X zoom / 8 indexes with or without coaxial illuminator
Magnifications *	25X to 280X
Camera	Color 1.3 Mpx USB 3.0
Fields of view [mm]	17.5 x 14.0 to 1.4 x 1.1
Focal length [mm]	86
Pixel resolution [μm] **	13.6 to 1.1

Optical choice 2








Optics	12X zoom / 8 indexes with or without coaxial illuminator
Magnifications *	45X to 540X
Camera	Color 1.3 Mpx USB 3.0
Fields of view [mm]	8.8 x 7.0 to 0.7 x 0.6
Focal length [mm]	86
Pixel resolution [μm] **	6.9 to 0.6

Optical choice 3

Optics	6.5X zoom / 4 indexes with or without coaxial illuminator
Magnifications *	25X to 180X
Camera	Color 1.3 Mpx USB 3.0
Fields of view [mm]	14.5 x 11.6 to 2.2 x 1.8
Focal length [mm]	92
Pixel resolution [μm] **	11.3 to 1.8

* = Indicated magnifications are calculated on 24" monitor and may be reduced by up to 12% according to the software configuration.

** = Camera pixel size / (sensor size / field of view)

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

Choice of axis display								
Axis Display	-	-	✓	✓	✓	✓	✓	✓
M1	-	-	✓	✓	✓	✓	✓	✓
QC100	-	-	✓	✓	✓	✓	✓	✓
QC200	-	-	✓	✓	✓	✓	✓	✓

Options

	Concentricity measuring tool for T-slot MA 143-007-02 (70) MA 145-003-02 (150) MA 146-003-02 (200)		Cast iron rotary table with graduation MA 145-15-70G (150)
	Concentricity control for T-slot MA 145r (150) MA 146r (200)		Aluminum rotary table with graduation MA 143-6-70G (70) MA 145-16-70G (150)
	Manual divider for T-slot MA 145d (150) MA 146d (200)		Aluminum rotary table MA 145-16-70 (150)
	±15° rotating between centers clamping bracket for T-slot MA 145a (150) MA 147a (200)		Vice (capacity 15mm) MA 143b-004 (70 / 150 / 200)
	Prism with clamping flange for T-slot MA 145e (150) MA 146e (200)		Adjustable vice (capacity 15mm) MA 143b-005 (70 / 150 / 200)
	Crocodile-pliers for T-slot MA 145b (150) MA 146b (200)		Crocodile-pliers on round support MA 143-010-01
	Clamp with parallel jaws for T-slot MA 145b-001 (150) MA 146b-001 (200)		Clamp with parallel jaws on round support MA 143-010-02
	Collet holder for T-slot MA 145bZ (150) MA 146bZ (200)		Collet holder on round support MA 143-010-03
	V-block with spring clip for T-slot MA 145c (150) MA 146c (200)		V-block with spring clip on round support MA 143-010-04
	Ø40mm diaphragm for transmitted illuminator 45-030-01 (150)		Digital ruler Z-axis MA 461-170 (150)
	Digital calculator QC200 MCA-120-193 (150 / 200)		Measuring software M2