

**Garant****Video measuring microscope MM-OS, Type: MM-OS1****Order data**

Order number	491915 MM-OS1
GTIN	4045197611734
Item class	41P

**Description****Version:**

The high-quality video measuring system in conjunction with the user-friendly M3 measuring software is **particularly well suited for the quick and comparative measurement of flat components.**

- **Long-lived LED incident light for clear and homogeneous illumination of the workpiece.**
- **Telecentric dimmable LED transillumination.**
- **Aluminium granite base and measuring table with tapped holes for attachment of clamping systems.**
- **High-resolution colour camera with telecentric lens.**
- **Extremely user-friendly, intuitively usable M3 measurement software including DXF functionality. Very high repetition accuracy thanks to automatic edge detection.**
- **Automatic component recognition in seconds at any angle of view.**
- **Mechanical height adjustment with graduated scale permits both the measuring plane and a clamping system to be adjusted individually and reproducibly.**

**Application:**

- **Measuring, dimensioning, and evaluation of flat components such as O-rings, washers, plugs in seconds, in a single operation.**
- **A wide variety of geometric shapes and materials can be reliably measured in a user-friendly manner. Documentation can also be performed.**

- **Various applications, for instance in production, inspection rooms or goods receiving.**
- **Compact general-purpose measuring system.**

**Supplied with:**

Multi-touch panel PC, wireless mouse and keyboard, dust cover, power supply unit, test certificate, and user manual.

**Note:**

Length measurement variation  $E_{UXY, MPE}$  to DIN EN ISO 10360-7.

Permissible ambient conditions:  $20\text{ °C} \pm 1\text{ K}$ , temperature gradient  $\Delta_{th} = 0.5\text{ K/h}$ ,  $\Delta_{td} = 4.0\text{ K/d}$ , measured with a calibrated standard. We reserve the right to make technical changes and to change the touch panel version.

Measuring range X: 26 mm

Measuring range Y: 19 mm

Adjustment range Z: 50 mm

Length measurement variation  $E_{UXY, MPE}$  optically (2D):  $4.9 + L/50$  (L in mm)  $\mu\text{m}$

Magnification (x-times):  $0.2 \pm 3\%$

Camera: 5 megapixels

## Technical description

Width	444 mm
maximum component weight	20 kg
Measuring range X	26 mm
Weight	30 kg
Length	354 mm
Height	600 mm
Measuring range Y	19 mm
Magnification (x-times)	$0.2 \pm 3\%$
maximum component height	50 mm
Camera	5 megapixels
Length measurement variation $E_{UXY, MPE}$ optically (2D)	$4.9 + L/50$ (L in mm) $\mu\text{m}$
Adjustment range Z	50 mm
Power supply	Mains operated
Nominal voltage	230 V
Type of product	Video measuring microscope

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## Accessories

Base cabinet for measuring microscopes width×depth  
1500X700 mm

491914 1500X700

Dust cover Type 200

491919 200