

# Product information

## Contour measuring station MarSurf CD 140 AG

### Product features

#### **MarSurf CD 140 AG 11 - all-rounder with intelligent touch probe system**

Mahr has launched a new contour measuring machine on the market – the MarSurf CD 140 AG 11. Its probe system has a measuring range of up to 70 mm and the stylus tips can be replaced quickly and without any tools – without having to recalibrate the system.

The MarSurf CD 140 AG 11 enables the user to complete fast and precise measurements. Its flexible workpiece holder makes it particularly easy to handle, while users are also convinced by its extreme versatility.



Item no.: **6269202**

### Technical data

<b>Resolution</b>	19 nm
<b>Measuring force (N)</b>	4 mN to 30 mN, adjustable using software
<b>Measuring speed</b>	0.1 mm/s to 10 mm/s
<b>Positioning speed X-axis min.</b>	0.1 mm/s
<b>positioning speed X-axis max.</b>	200 mm/s
<b>Positioning speed X axis</b>	0.1 - 200 mm/s
<b>Probe</b>	Contour probe system
<b>Weight (gross)</b>	150 KG
<b>Dimensions in mm</b>	572 x 905 x 822 mm
<b>Workpiece weight max.</b>	35 kg
<b>Other functions</b>	Maschinengewicht: 100 kg
<b>Measuring range mm</b>	70 mm with probe arm length 350 mm

### Application

#### **Mechanical engineering**

Bearings, threads, threaded rods, ball screws, shafts, racks

#### **Measurement close to production**

Contour measurement in a semi-automatic process

#### **Automotive industry**

Steering, brake system, transmission, crankshaft, camshaft, cylinder head

#### **Medicine**

Contour measurement for hip and knee endoprostheses, contour measurement for medical screws, contour measurement for dental implants

### Dimensions

<b>Dimensions in mm</b>	572 x 905 x 822 mm
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### Accessories

Order no.	Designation	Product type
6710604	Parallel vice	PPS
6710401	V-block	PP