

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.: **6269201**

Technical data

Resolution	19 nm
Measuring force (N)	4 mN to 30 mN, adjustable using software
Measuring speed	0.1 mm/s to 10 mm/s
Positioning speed X-axis min.	0.1 mm/s
positioning speed X-axis max.	200 mm/s
Positioning speed X axis	0.1 - 200 mm/s
Probe	Contour probe system
Weight (gross)	149 KG
Dimensions in mm	572 x 905 x 822 mm
Workpiece weight max.	35 kg
Other functions	Maschinengewicht: 100 kg
Measuring range mm	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

Dimensions in mm	572 x 905 x 822 mm
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Accessories

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