

 Mahr**CD contour measuring station 140AG11, Type: CD140AG11****Order data**

Order number	499301 CD140AG11
GTIN	2050002079809
Item class	40W

Description**Version:**

The MarSurf CD 140 A has a touch probe system with a measurement range of up to 70 mm, and the stylus tips can be changed quickly and without the need for any tools – all without recalibration.

Application:

The computer-aided measuring station permits comprehensive and quick evaluation of the measurement results:

- **Comprehensive contour measurement functions, fast and simple**
- **Stylus tips can be changed without the need for tools**
- **Traversing velocity in X axis of up to 200 mm/s**
- **Simple creation of programs or individual measurements with MarWin**
- **Automatic evaluation, best contour fit, CAD contour comparison and many more.**
- **Can optionally be expanded with roughness measurement feature ($R_z > 2 \mu\text{m}$)**
- **Measurements with double stylus tip are possible**
- **Quick adjustment of the Z axis with easy-to-use handle**
- **Flexible mounting plate with 50 mm hole grid, e.g. for KMG workpiece holders**

Supplied with:

Contour measuring machine, machine base incl. Y adjustment, PG A 36-350-25 contact element, MarWin EasyContour plus mobile software, contour calibration standard with 2 balls (45 mm and 6 mm).

Optional extras:

PC

Technical description

Measuring range Z	70 mm
Guide deviation Z	1 (over 140 mm) µm
Traverse path X	140 mm
Measuring speed X	0.1 - 10 mm/s
Gauging force	4 - 30 mN
Contact point length	350 mm
Positioning speed in X	1 - 200 mm/s
Width	822 mm
Resolution	19 nm
Height	905 mm
Depth	572 mm
Type of product	Contour measurement bench