

# 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.

### 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



Item no.: **6269203**

### Technical data

|                            |  |
|----------------------------|--|
| <b>Resolution</b>          | 19 nm                                    |
| <b>Measuring speed</b>     | 0.1 mm/s to 10 mm/s                      |
| <b>Positioning speed</b>   | X: 0.1 mm/s to 200 mm/s                  |
| <b>Measuring force (N)</b> | 4 mN to 30 mN, adjustable using software |
| <b>Probe</b>               | Contour probe system                     |
| <b>Weight (gross)</b>      | 160 KG                                   |
| <b>Dimensions in mm</b>    | 572 x 905 x 822 mm                       |
| <b>Measuring range mm</b>  | 70 mm with probe arm length 350 mm       |

### Dimensions

|                         |                    |
|-------------------------|--------------------|
| <b>Dimensions in mm</b> | 572 x 905 x 822 mm |
|-------------------------|--------------------|

### Accessories

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