# MarSurf



## MarSurf XC *basic*

## THE MEASURING STATION FOR STANDARD CONTOUR MEASURING TASKS

- Flexible – space-optimized measuring station with easy probe arm change and high-performance software
- User-friendly – easy and comfortable operation of hard and software
- Cost-efficient – complete task-oriented measuring station with expansion possibilities

**This is what we mean by EXACTLY.**

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# MarSurf XC *basic*
## THE TASK-ORIENTED MEASURING STATION



The standard contour measuring station is designed for simple, basic contour measuring tasks.

The fast, flexible measurement of individual classic contour elements such as radii, distances, and angles is the strength of the MarSurf XC basic.

The delivery scope of the MarSurf XC basic measuring station contains two probe arms:

- PCV 350 / 33 mm
- CP 175 / M-8

This ensures that even the basic unit covers the classic measuring tasks.

### Your advantages

- The computer-aided contour measuring station allows extensive and fast evaluation of measuring results. You save time for other tasks and increase your productivity.
- The small, handy, contour measuring station is also suitable for mobile use. This saves you space and increases your flexibility.
- Informative measuring records increase the transparency of your measuring results and processes.
- Easy programming of measuring tasks using teach-in programming.
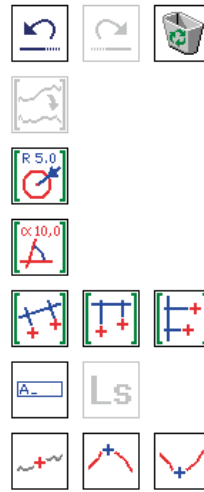- Change between calibrated probe arms without tools.

### Advantages of the probe system

- Change between calibrated probe arms without recalibration
- Probe arm PCV 350 / 33 mm and CP 175 / M-8 as additional replacement probes can be entered and immediately used
- Numerous additional task-oriented probe arms available



*CP 175 / M-8*



*PCV 350 / 33 mm*

The easy operation is supported by macros.

## Further functions:

- Highest point
- Lowest point
- Profile point
- Text entry
- Profile alignment
- Determination of radius
- Determination of angle
- Determination of distance in X
- Determination of distance in Z
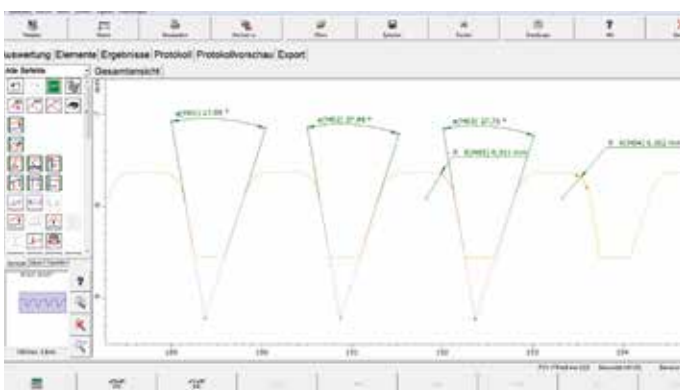- Direct determination of distance

## Example: Applications PCV 350 / 33 mm

The standard probe PCV 350 / 33 mm is the basic probe arm and especially suitable for outside contours. The measuring range of 50 mm supports the easy positioning and measurement of components.





## Example: Applications CP 175 / M-8

Additionally included in the standard scope of delivery is the probe arm 175 / M-8. This probe arms enables you to evaluate the inside contours of diameters 8 mm and larger. The measuring range is +/- 12.5 mm.

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## Optional Expansions

- Additional probe arms available according to measuring task
- MarWin PC with Windows 10 IOT 64 bit (Id. 9064901)
- TFT Monitor 24" (Id. 3027221)
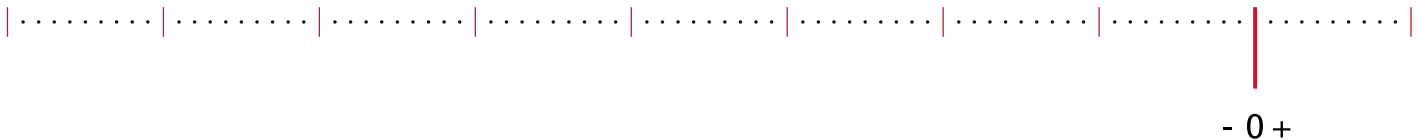
## Scope of Delivery                                order no. 9036395

- MarSurf XC basic software incl. control and operation manual
- Drive unit MarSurf CD 120
- Manual measuring stand consisting of aluminum base plate 800 mm x 330 mm with a manual height adjustment
- Mount for drive unit on measuring stand
- Standard calibration ball
- Small cross table CT 120

## Technical Data

| MarSurf XC *basic* | |
|---|---|
| Traversing length (Lt) | 0.2 mm to 120 mm |
| Positioning and return speed | 0.2 mm/s to 8 mm/s |
| Measuring speed | 0.2 mm/s to 4.0 mm/s |
| Profile point spacing in X | 1.0 µm to 8.0 µm, adjustable |
| Resolution in | 1 µm |
| Probe measuring range Z | 50 mm (350 mm probe arm)<br>25 mm (175 mm probe arm) |
| Total space required<br>Dimensions of base frame<br>Dimensions (L × W × H) | 800 mm × 330 mm × 550 mm |
| Travel range of column | approx. 400 mm |

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