Product information

3D surface measurement MarSurf WI 50

Product features

The flexible, all-round measuring solution

The MarSurf WI 50 is a compact white light interferometer for the three-dimensional measurement and analysis of surfaces – **contactless, independent of material, and fast** .

Allrounder-measurement solutions, flexible at all times, exactly where it comes down to the sub-nanometer: this is what the new MarSurf WI 50 stand for. These high-precision measurement tools for research and quality assurance deliver reliable 3D measuring data – quickly and straightforward in very few steps.

Key benefits:

- High measuring speed – even at full resolution
- CNC-functionalitiy for all axes
- Safety through collision detection in all directions to protect your workpiece and measuring system
- High Dynamic Range (HDR) function, 16-bit
- HD-stitching: Consistent high resolution output of large measuring surfaces

This established optical measuring system is successfully used, for example, for:

- Roughness measurement according to DIN EN ISO 4287 / 25178
- Topography measurement (including volume, wear, isotropy)
- Measurement of microgeometry and layer thicknesses

Users value the reliability of this measuring system, which provides quantitative, traceable **3D characteristics for many industries** .

Application

Mechanical engineering

Qualification and quantification of the roughness, geometry, and wear volume

Electronic system and semiconductors

Component inspection right down to sub-nanometer range

Item no.: **6355001**

Technical data

Resolution	up to 0.2 (nm) vertical
Measuring speed	up to 140 fps
Measuring principle	White light interferometer High-power LED (650 nm / white)
Other	Collision detection in xyz direction
Power supplied	100 - 240 V
Surface parameters	ISO 4287, ISO 13565, ISO 25178 ...
Weight	35 KG