

T310



Technical Data

Laser: Class 2
 Weight: 2400 g
 Body: Aluminium
 Range: 100m
 Rotation: 2 to 10 Hz
 Dimensions: 125 x 170 x 185 mm
 Accuracy: with external R310 Ref:
 <0.005 mRad (mils/in)
 Self-leveling
 accuracy: ± 0.02 mRad (mils/in)
 Step error: typical 0.03 mm
 Conical error: typical
 ± 0.01 mRad (mils/in)

R310



Technical Data

Measuring range: 80 mm
 Resolution: 0.01 mm
 Angle record: 0.1°
 Temperature range: $0-50^\circ\text{C}$
 Protection Class: IP 65
 Power supply: 6 x alkaline AA
 or AC-adaptor
 Dimensions: 65 x 150 x 24 mm
 Body: Aluminium

R525



Technical Data

Measuring range: 20 x 20 mm
 Resolution: $1\mu\text{m}$ in X & Y
 Rotation Angle: 360°
 Angle record: $0,1^\circ$
 Wireless: Bluetooth class 1a
 Power supply: 12V rechargeable
 battery
 Operation with
 battery: minimum 8 hours
 Charging time: 2 hours - 90%

All of the applications described can be measured using a combination of transmitters, sensors and software from Status Pro. Choosing the right equipment for your Service or Assembly Team and providing the training is part of the service we provide. The accuracy of your assembly ensures the quality of your machine as well as the quality of the product it produces.
 Professional equipment and training is our business.

Status Pro of Germany is a leading manufacturer of Laser Alignment Tools for Machine Assembly and Quality Control around the world.



Status Pro Maschinenmesstechnik GmbH
 Mausegatt 19 · D-44866 Bochum
 Telefon: + 49 (0) 2327 - 9881 - 0
 Fax: + 49 (0) 2327 - 9881 - 81
www.statuspro.com · info@statuspro.com

Geometric Laser Alignment for Machine Assembly and Quality Control



- **Straightness** Ways and Guides
- **Right Angles** Milling Machines
- **Leveling** Everything
- **Parallelism** Cylinder Rolls
- **Center Line** Bearings
- **Flatness** Everything



Straightness

ProLine is a unique Straightness Measurement and Alignment Package. X,Y and Z are measured simultaneously along the line. Wireless, precise and very easy to use. The straightness of guides in production machines is often critical for product quality.

ProLine is a professional solution.



Bearing Center Line Alignment

ProOrbit is an ideal measurement package for bearing pockets from 0.6 up to 2.4m diameter.

A wireless sensor with an built-in inclinometer and n-point measurement make this alignment task a sure thing. The roundness of the bore is also recorded during the measurement.



Leveling and Flatness

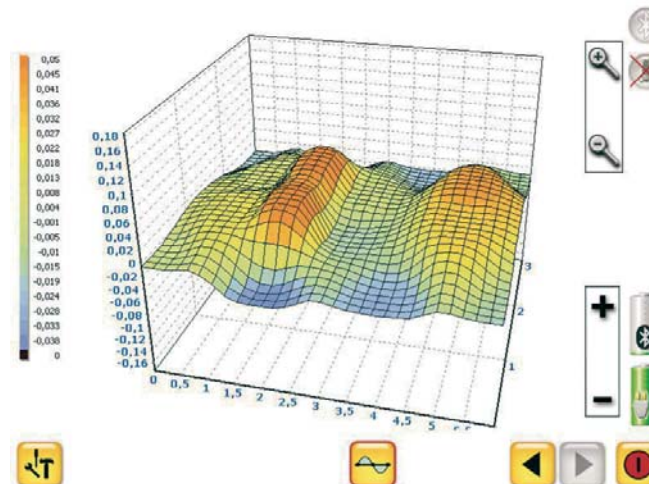


The **T310** creates a flat and level laser reference plane. We use the **R310** with its 80mm detector length to measure against this reference. The Software **ProLevel** lets you place these measurements on a template on site.

Advantages:

- Quick and easy to use
- Automatic self-leveling plane < 0.02 mRad (mils/inch)
- On-site documentation of measured results

ProLevel Results in 3D:



Flange Flatness Measurement



Flange Flatness Measurement is an important variation on the flatness theme and requires special attention.

ProFlange is a software package which addresses these issues. You do not have to level the flange before measurement or ensure that the reference is parallel.

ProFlange Results in 3D:

