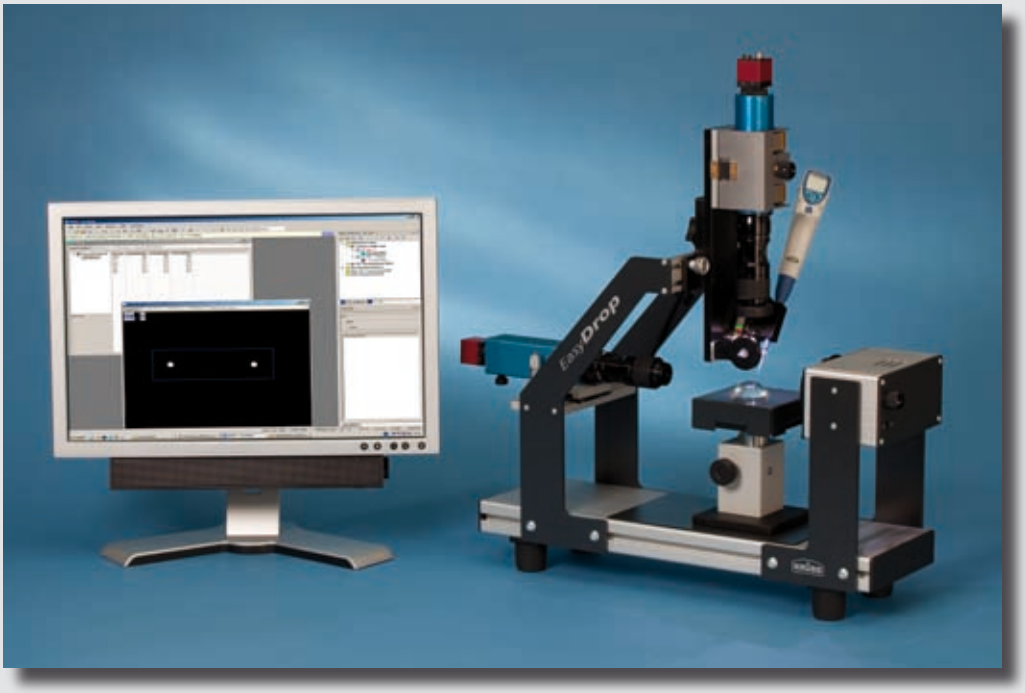
INFORMATION

Top View Contact Angle Analyzer Module TVA100



Drops in a bird's-eye view – with the new top view distance method the TVA100 determines the contact angle using the radius of curvature of the upper surface of the drop. With this method the contact angle can also be measured in recesses and on concave surfaces.

- **Evaluation of the surface curvature using the mirror image of spots of light**
- **Measurements on concave surfaces or in recesses**
- **Non-sensitive precision drop deposition for a wide range of liquids**
- **Rapid assessment of wetting homogeneity**

Available as

- **Top View Analyzer TVA100B**
- **Module for KRÜSS DSA100, DSA30 and EasyDrop instruments**
- **Portal system available for contact-free measurements on large samples (TVA100R)**

The TVA100 in overview

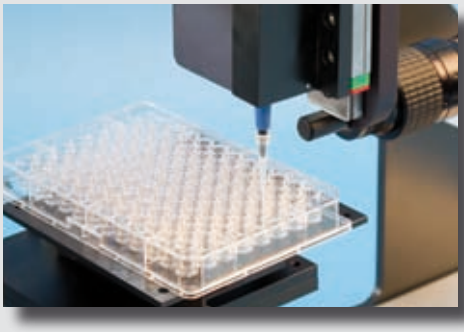
The Top View Analyzer TVA100 measures the contact angle from the top using the distance between spots of light reflected from the curved drop surface.

This technique allows nondestructive measurements on concave surfaces or surfaces in recesses in which a measurement of the shadow image with the illumination, sample and optics in a single plane is ruled out.

Applications

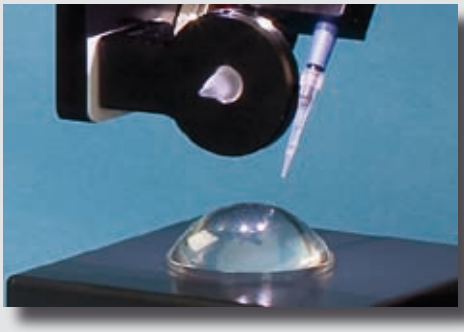
- **Biotechnology (microtiter plates)**
- **Microelectronics (mounted PCBs)**
- **Wafer techniques**
- **Sanitary ceramics**
- **Optics (concave lenses)**
- **Quality control in surface cleaning processes**

In addition, the view from above makes wetting inhomogeneities immediately visible. Thanks to the non-sensitive precision drop deposition, the determination of the surface free energy can be carried out with a wide range of liquids. The measuring head is available as a module for the well-proven KRÜSS DSA100, DSA30 and EasyDrop instruments and also as an independent portal system for contact-free measurements on large samples.









Technical Data	TVA100	
Measuring range	3.5° - 23°	23° - 75°
Precision*	±0.1°	±1°
Camera	60 fps, 752 × 480 pixels	
Objective	6.5 × zoom	

* Referred to the contact angle standards set

We retain the right to make technical alterations.

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