

Contact angle

The drop shape analysis system G10 / DSA10 is used to determine the surface tension of liquids based on the pendant drop method, as well as for the measurement of the contact angle and for the calculation of the surface energy of solids according to the sessile drop method.

Applications:

- Dynamic and static determination of contact angle and surface energy of solids
- Measurement of surface tension and interfacial tension of liquids
- Automatic detection of the sample surface
- Measurement of unusual sample geometries
- Very high measuring speed possible
- Recording video sequences



Surface tension 66.56 mN / m



Contact angle 50 ° (Sessile drop method)

Applications:

- Investigation of the effectiveness of surface treatments
- Testing the surface cleanliness
- Optimization of different coatings
- Characterization of paints on wood, plastics and metals
- Optimization of surfaces for the bonding of different materials

Specifications:

- large, easily accessible sample stage
- integrated dosing system
- high-quality zoom lens
- integrated video system
- measurement of contact angle, surface tension and surface energy

Further equipment:

- Temperature chamber TC3010 / 3410 up to 120°C
- Top Drop Analyzer TDA10 (for mobile measurements)



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