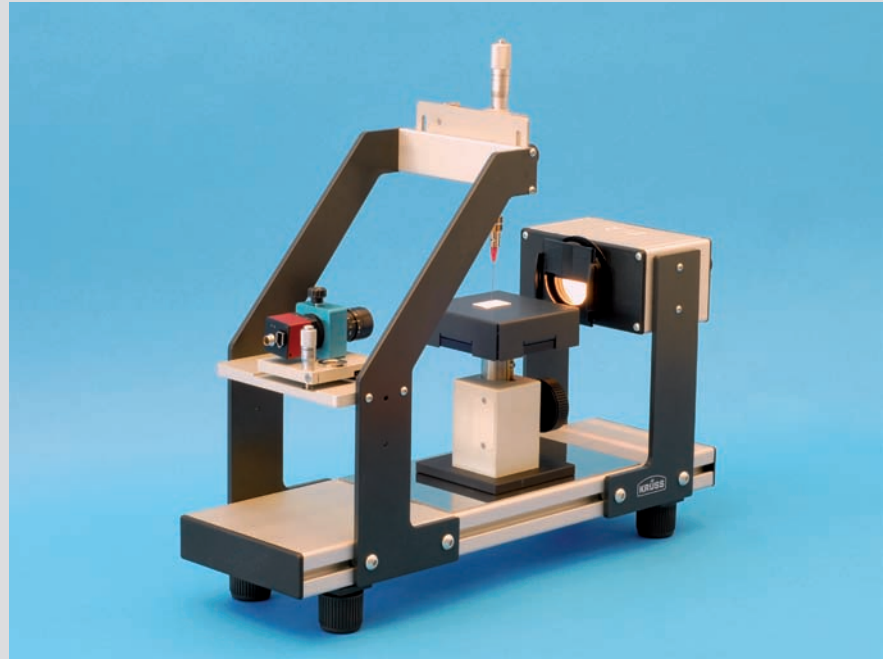




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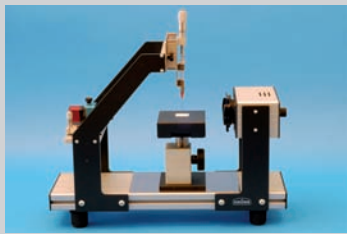
Drop Shape Analysis System DSA14



The DSA14 from KRÜSS is the entry-level model for software-supported contact angle measurement. With this favourably-priced manual version, but without any concessions with respect to quality, operating comfort and software, the latest contact angle measuring system from KRÜSS is a real alternative. An extensive range of accessories enables the basic instrument to master demanding measuring tasks.

- **High-resolution IEEE1394 camera (Firewire™)**
- **Image recording rate up to 60 fps (optional)**
- **Contact angle measurement, surface free energy, surface and interfacial tension of liquids**
- **Measurements even on larger samples up to 300 × ∞ × 50mm**
- **Easy-to-use software with numerous evaluation possibilities**
- **New Dose&Push dosing system**
- **High-quality mechanical construction**

KRÜSS

DSA14	
	
Measuring range Contact angle * Surface tension	1-180° 0.01 to 1000 mN/m
Measurement resolution Contact angle Surface tension	0.1° 0.01 mN/m
Video system	<ul style="list-style-type: none"> • CMOS camera with IEEE1394 interface, • IR-CUT filter • 20 fps (60 fps optional) • Video sequences • Automatic triggering of measurement
Optics	<ul style="list-style-type: none"> • Fixed focal length • Integrated focus • Adjustable view angle from -4° to 4°
Sample stage	Manual, moveable in x-y-z direction
Max. sample size	300 × ∞ × 50 mm (W×D×H)
Outer dimensions	520 × 160 × 530 mm (W×D×H)
Weight	Appr. 10 kg
Power supply	110/220 V, 50/60 Hz
Interfaces	RS232, IEEE1394

* Referring to image analysis

Liquid dosing is extremely simple and highly accurate with the new *Dose&Push* dosing system from the EasyDrop contact angle product range. The drops are generated with a reproducibility of 0.3 microliter and placed on the sample at the touch of a finger. Software-controlled contact angle measurement can start immediately after drop placement – without any further actions being required. With image recording rates of up to 60 fps even rapid changes in the contact angle can be recorded.

The DSA14 is supplied with the well-proven, frequently optimized KRÜSS DSA1 software. This is easy to use, while still offering the whole range of evaluation methods in common use today.

Accessories DSA14	
Sample holder	<ul style="list-style-type: none"> • Contact angle measurements on thin films • Powder sample holder • Special sample holder for films and paper • Sample stage with magnetic clamping fixture for foils, paper, etc.
Environmental chambers	<ul style="list-style-type: none"> • Environmental chamber for very large samples (-10°C to 120°C) • Environmental chamber (-10°C to 120°C)
Various manual dosing systems	
Various contact angle and pendant drop standard sets	
Various needles and syringes	
Various glass cuvettes for SFT/IFT measurements	

Technical specifications are subject to change without notice.



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