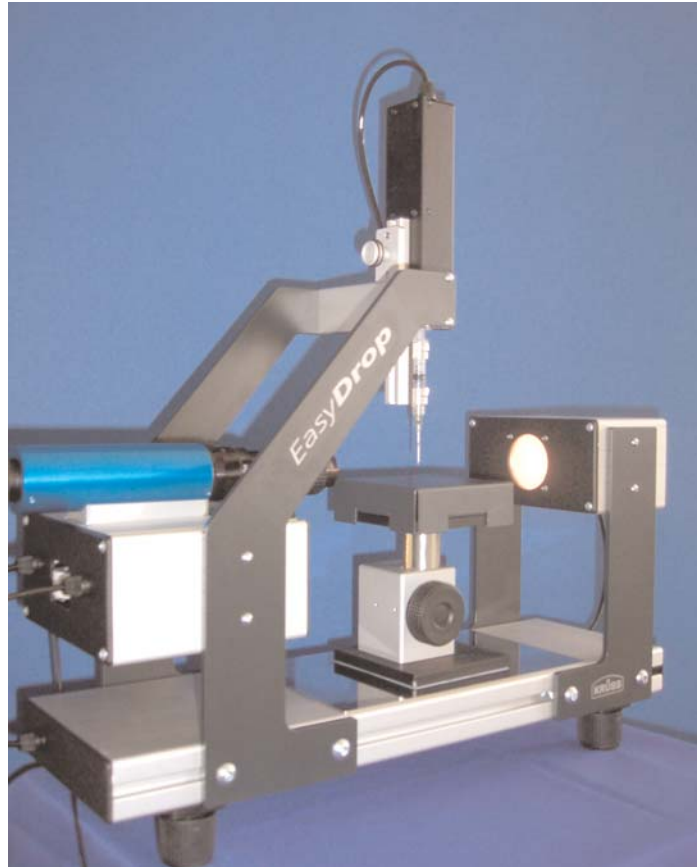




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EasyDrop Drop Shape Analysis System



- **Precise contact angle, surface energy and pendant drop measurements**
- **Software controlled automatic syringe system for improved ease of use**
- **Flexible, adjustable sample stage supporting even large samples**
- **Drop placement by picking up the drop for simple and reproducible measurement**
- **Compact instrument footprint for small lab space**
- **Popular DSA software for flexible measurement control**



THE MEASURING INSTRUMENT

The measuring system EasyDrop provides precise display of drop profiles. It is equipped with an easily adjustable and accessible sample stage for measurements at ambient temperature.

Various thermostatable chambers are available for specific requirements.

Sample sizes of up to 300 x ∞ x 50 mm (WxDxH) can easily be characterised with EasyDrop. It has a vario zoom lens, where the 6-fold zoom guarantees optimum usage of the full screen. The integrated, computer controlled dosing system facilitates positioning and dosing of the liquid droplets. The measurement of

dynamic and static contact angles is therefore quickly and easily done. The droplet is placed on the sample by picking up the drop from the tip of the dosing system. Measurement based on smart image analysis starts immediately after placing the droplet on the sample.

TECHNICAL DATA

Measuring range:	1-180°
Accuracy:	± 0.1 °
Objective:	6x zoom
Camera:	Monochrome interline CCD, 25/30 fps
Light source:	Halogen lamp
Stage:	Manual moveable in x-y-z direction
Drop placing method:	Pick up of the drop
Max. sample size:	300 x ∞ x 50 mm (WxDxH)
Dispension type:	Motorized Automatic Single Direct Dosing
Outer dimension:	520 x 160 x 530 mm(WxDxH)
Weight:	Appr. 10 kg
Power:	110/220 V, 50/60 Hz
Software:	SW21(DSA1) for Drop Shape Analysis
Computer requirements:	IBM PC compatible with one free PCI Slot, running Windows 9x/NT/2000/XP

Technical specifications are subject to change without notice

BASIC INSTRUMENT / ACCESSORIES

ST01	Suction plate
ST02	Special sample holder made of POM for contact angle measurements on thin films and foils
ST03	Powder sample holder for sessile drop method
ST04	Special sample holder for films and paper
ST05	Cross flow chamber to measure contact angles of sessile or captive drops during cleaning processes
TC11	Environmental chamber for very large samples (-10°C to 120°C)
TC3010	Environmental chamber (-10°C to 120°C)
TC40	Peltier temperature chamber (-30°C to 160°C)

Various contact angle and pendant drop standard sets
Various needles and syringes
Various glass cuvettes for SFT/IFT measurements



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