



EasyDyne

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The EasyDyne tensiometer is the specialist for quality control – everywhere that surfactants are used. With the Wilhelmy plate and Du Noüy ring methods it provides reliable results in no time at all. It can be powered by rechargeable batteries, so it is suitable for flexible use as a portable stand-alone instrument. It is available as the manual standard version K20S and as the semi-automatic instrument K20

KRÜSS

- **Semi-automatic SFT and IFT measurement (K20)**
- **Simple and quick sample positioning**
- **Calibration data stored internally**
- **Robust measuring system with maximum load of 50 g**
- **Illuminated sample chamber**
- **Windshield for sample chamber**
- **Adjustable feet**

Technical data

EasyDyne (K20/K20S)



Measuring range	
SFT / IFT	1 - 999 mN/m
Density	1 - 2200 kg/m ³
Temperature (optional)	-10 - 100°C
Resolution	
SFT / IFT	0.1 mN/m
Density	1 kg/m ³
Temperature (optional)	0.1°C
Sample positioning	
Stage speed (only K20)	appr. 2,5 to 14 mm/min (stepless adjustable)
Travel distance	75 mm
Maximum sample load	50 g
Ring correction	Zuidema & Waters, Harkins & Jordan
Display	320 × 240 pixel
Data output	RS232, USB
Power consumption	max. 15 W
Power supply	100 - 240 VAC, 47 - 63 Hz
Weight	11 kg
Dimensions	270 × 420 × 350 mm (W×H×D)

Typical fields of application

- **Quality control**
- **Transformer oils**
- **Cleaning agents and detergents**
- **Surfactant content of rinsing water**

Accessories

- Thermostatable jacket with built-in magnetic stirrer
- External temperature sensor for direct measurement of sample temperature
- Various thermostats
- Windows™ data-logger software for data transfer to PC
- Protocol printer for documentation of measured values
- Density determination set
- Various types of sample bodies (rings and plates)
- Force sensor adjustment set

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Quick and convenient measurements with EasyDyne

Tensiometers of the EasyDyne series are custom made for quality assurance in testing laboratories. In addition, their robustness, low weight, built-in windshield and possible operation by rechargeable batteries make them ideal for on-site use.

With the ring and plate methods the EasyDyne provides the standard methods for measuring the surface and interfacial tensions. It supports the usual corrections for the ring method. The density of the liquid used in the calculation can also be measured.

The structured operator guidance and ergonomics of the instrument ensure simple operation. The generous and illuminated sample chamber together with the quick adjustment of the sample table makes EasyDyne ideal for rapid routine measurements.

Reproducibility and convenient comparison of the results are guaranteed thanks to stored measuring parameters. The displayed result, complete with date, time and all measuring parameters, can be transferred to a printer or to the PC software.

KRÜSS has also paid attention to comfortable servicing: The instrument is adjusted automatically and, thanks to the internally

stored adjustment data, this only needs to be carried out once.

Semi-automatic measurements with the K20

The enhanced instrument version K20 has a data memory for results. The motorized sample table allows automatic surface searching and ensures constant moving speeds; the high reproducibility of the measuring conditions ensures statistical evaluations compliant with the relevant standards, while the storage of all measuring parameters guarantees both optimal comparability of results and reproducibility.

We reserve the right to make technical alterations.



<http://www.kruss.de>

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