



Product group specifications

K20

Force measurement

Maximum load	50 g
Resolution	100 µg
Measurement rate	5 Hz
Adjustment (optional)	automated, external weight
Adjustment weight	20 g

Sample stage

Travel distance	90 mm
Simple platform	yes
Thermostat jacket (optional)	70 mm
Integrated sample stage	yes

Drive

Travel speed	2.4 to 14 mm/min
Type of motor	DC motor

Software

LabDesk (optional)	data logger
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Measurement specifications
K20
Du Noüy ring

Results	surface tension (SFT)/interfacial tension (IFT)
Range	1 to 999 mN/m
Resolution	0.01 mN/m
Correction methods	Harkins-Jordan, Zuidema-Waters, linear correction, no correction

Wilhelmy plate

Results	surface tension (SFT)/interfacial tension (IFT)
Range	1 to 999 mN/m
Resolution	0.1 mN/m

Rod method

Results	surface tension (SFT)/interfacial tension (IFT)
Range	1 to 999 mN/m
Resolution	0.2 mN/m

Liquid density

Range	1 to 2200 kg/m ³
Resolution	1 kg/m ³
Precision	±3 kg/m ³

General specifications
K20
Temperature control (optional)

Type	liquid
Range	-10 to 130 °C
Flow-through thermostat	optional

Temperature measurement (optional)

Range	-20 to 150 °C
Resolution	0.1 °C
Precision	±0.2 °C
Accuracy	±0.5 °C
External sensor	sample liquid

Housing and peripherals

Built-in bubble level	yes
Windshield doors	yes
Control panel	integrated
Display	320 × 240 px

Environment

Operating temperature	15 to 30 °C
Humidity	without condensation

Instrument dimensions

Footprint	270 mm × 350 mm (W × D)
Height	430 mm
Weight (without accessories)	11 kg

Power supply

Voltage (AC)	100 to 240 V
Power consumption	40 W
Frequency	47 to 63 Hz

Interfaces

PC	USB 2.0, RS232
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