



Drop Volume Tensiometer – DVT50

Specifications



Product group specifications**DVT50****Volume measurement**

Maximum volume	220 μ L
Resolution	1 nL
Measurement rate	4 Hz

Syringe drive

Syringe volume	500 μ L ¹⁾
Flow rate	0.265 to 1985 μ L/min
Resolution	0.001 μL

Automation

Fully automatic refill	yes
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Software

LabDesk	drop volume
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Measurement specifications**DVT50****Drop volume**

Results	surface tension (SFT)/interfacial tension (IFT)
Range	0.1 to 100 mN/m
Resolution	0.001 mN/m
Types	SFT: falling drop IFT: falling drop and rising drop

¹⁾ syringes from 50 up to 2500 μ L are available

General specifications**DVT50****Sample dimensions**

Minimum recommended sample volume	20 mL
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Temperature control

Type	liquid
Range	-10 to 90 °C
Flow-through thermostat	optional

Temperature measurement

Range	-20 to 150 °C
Resolution	0.1 °C
Precision	±0.1 °C
Accuracy	±0.5 °C
Location	cell

Housing and peripherals

Door	yes
Stainless steel measuring compartment	yes
Control panel	integrated
Display	integrated

Instrument dimensions

Footprint	240 mm × 300 mm (W × D)
Height	495 mm
Weight (without accessories)	13 kg

Power supply

Voltage	100 to 240 VAC
Power consumption	10 W
Frequency	47 to 63 Hz

Interfaces

PC	USB 2.0/ RS232
Auxiliary	RS232
Thermostat	quick lock fittings

