

# DROP VOLUME TENSIOMETER – DVT50

## SPECIFICATIONS



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

Maximum volume	220 $\mu\text{L}$
Resolution	1 nL
Measurement rate	4 Hz

**Syringe drive**

Syringe volume	500 $\mu\text{L}$ <sup>1)</sup>
Flow rate	0.265 to 1985 $\mu\text{L}/\text{min}$
Resolution	0.001 $\mu\text{L}$

**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

<sup>1)</sup> syringes from 50 up to 2500  $\mu\text{L}$  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

