

Bubble Pressure Tensiometer

BPT Mobile

Specifications



Product group specifications

BPT Mobile

Pressure measurement

Maximum pressure	1.25 kPa
Precision	2 %

Data output

Type	Microsoft Excel (XML format) via USB
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Measurement specifications

BPT Mobile

Bubble pressure

Results	dynamic surface tension SFT vs. surface age	dynamic SFT at constant surface age	single dynamic SFT/bath concentration (optional)
Surface tension range		10 to 100 mN/m	
Resolution		0.1 mN/m	
Precision		0.5 mN/m	
Surface age range		10 to 30 000 ms	
Resolution		1 ms	
Precision		max. 7.5 %	

General specifications		BPT Mobile
Sample dimensions		
Minimum sample volume		15 mL
Temperature measurement		
Range		0 to 100 °C
Resolution		0.1 °C
Location		sample
Housing and peripherals		
Touch display		integrated color IPS display (480 × 854 px, size 5")
Stand		included
Environment		
Operating temperature		5 to 60 °C
Humidity		without condensation
Instrument dimensions		
Size		85 mm × 55 mm (W × D)
Height		220 mm
Weight (without accessories)		600 g
Power supply		
Battery		10 h operating time
Voltage		5 V (powered via USB)
Power consumption		2.5 W
Interfaces and memory		
PC		USB-Micro-B
Memory		up to 20 million measurements