

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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Software

Software type	integrated user interface
Available software modules	Bubble pressure (included) Surfactant content determination (optional)

Software languages

Chinese (simplified), English, French, German, Japanese, Russian, Spanish

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