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
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		
Setpoint tolerance	max. 10%		

General specifiations	BPT Mobile
Capillaries	
Material	PP (fluorine-free)
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

Technical changes are reserved. BPT Mobile-20260814