

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	
Regulation tolerance		max. 10%	

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