Mobile Surface Analyzer MSA Flexible Liquid Specifications





KRŰSS

Product group specifications	MSA Flexible Liquid
Camera system	
ConnectionPerformance	USB 3.0 25 fps at 1000 × 700 px
Optics	
Focus Zoom View angle Field of view Resolution	fixed focus fixed focal length 2° 4.7 mm × 3.3 mm 5 µm
Illumination	
Type Wave length, dominant Field of light Dosing system	high power LED 468 nm 5 mm × 23 mm (H × D)
Dosing Drop deposition Cartridge (volume) Resolution Speed	single direct dosing software-controlled disposable cartridge (1 mL) 0.25 µL 2.7 µL/s – 100 µL/s
Software	
ADVANCE	contact angle surface free energy of solids

Software languages

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

MSA Flexible Liquid Measurement specifications Sessile drop contact angle 0 to 180° Result Resolution (software-based) Resolution (software-based) Accuracy (instrument-based) 0.01° 0.8° Models conic section, polynomial, circle, Young-Laplace, height-width Туре static Surface free energy of solids Result

Models

surface free energy (SFE), polar & disperse part, acid & base part, H-bond part equation of state, Zisman, Fowkes, Wu, Owens-Wendt-Rabel-Kaelble, extended Fowkes, acid-base theory

General specifications	MSA Flexible Liquid
Sample dimensions	
Maximum sample size	$\infty\times\infty\times\infty (W\timesD\timesH)$
Housing and peripherals	
Compartment	aluminum
Environment	
Operating temperature Humidity	10 °C to 40 °C without condensation
Instrument dimensions	
Footprint Height Weight (without accessories)	84 mm × 32 mm (W × D) 112 mm 0.85 kg
Power supply	
Voltage Power consumption	5 V (powered via USB) 4.5 W
Interfaces	

PC

USB 3.0