3D Contact Angle

Ayríís®

Specifications

Product group specifications	Ayríís
Camera system	
Type	stereo camera
Connection	MIPI CSI-2
Performance	2 cameras with 50 fps at 1024 × 1024 px each
Optics	
Focus	fixed focus
Zoom	fixed focal length
Illumination	
Type	2 lasers + 90 high power LEDs
Wave length, dominant	white
Dosing system	
Dosing	water single pressure dosing
Drop deposition	software-controlled
Cartridge (volume)	prefilled water cartridge (4 mL)
Resolution	0.1 µL
Speed	fixed
Output	
Type	Microsoft Excel (XML format) via Ethernet

Technical changes are reserved. Ayríis-20240412

Measurement specifications	Ayríis
Sessile drop	
Result	contact angle
Range	0 to 140°
Resolution	0.1°
Accuracy	2°
Models	3D Contact Angle
Type	static
Software	
Software type	integrated user interface
Available software modules	contact angle

General specifications	Ayríis
Sample dimensions	
Maximum sample size	∞ × ∞ × ∞ (W × D × H)
Housing and peripherals	
Compartment	aluminum
Touch display	integrated color IPS display (480 × 800 px, size 4'')
Environment	
Operating temperature	10 °C to 40 °C
Storage temperature	5 °C to 45 °C
Humidity	without condensation
Instrument dimensions	
Footprint	58 mm × 51 mm (W × D)
Height	290 mm
Weight (without accessories)	1.15 kg
Power supply	
Voltage	15 V
Battery runtime	4 h
Charging power	max. 30 W
Interfaces	
PC	USB-C