

Data Analysis Specification

	Method	Accuracy	Software resolution	Range	Data information	extension
Static contact angle	Tangent line method1	±0.1degree	±0.01degree	0~180°	Average contact angle, left contact angle, right contact angle, drop volume, height, base line length, base area, measured time, wetting energy, spreading coefficient, work of adhesion	
	Tangent line method2					
	Trigonometric function					
Surface tension	Pendent drop method	±0.1mN/m	±0.01mN/m	1~1000 mN/m	Drop volume, Surface tension	
Surface free energy	G.G.F.Y	±0.1mN/m	±0.01mN/m		Surface free Energy	
	Owens-Wendt	±0.1mN/m	±0.01mN/m		Surface free Energy, Dispersive value and Polar value	
	Lewis (Acid/Base)	±0.1mN/m	±0.01mN/m		Surface free Energy, Dispersive, Polar, Acid, base value	
Capture speed	CCD			0~70FPS		0~315FPS (Optional)
Machine vision Resolution				640x480		1280x1024 (Optional)
Sample stage	X axis sliding					
Data export method	Two modes of Excel export, BMP, CSV file					
Data save method	Save as .SZX and Excel					
Device dimension	W700(mm)xD260(mm) xH650(mm)					
Power	110/220V(50/60HZ)					