Phoenix 300T Specification

	Method And divided	Accuracy	Resolution	Range	Data information	Extension (Remark)
Static contact angle	Tangent line metnod1 Tangent line metnod2 Trigonometric function	±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	
Dynamic contact angle	Captive method	±0.1degree	±0.01degree	1~180°	Advance angle, Receding angle, Hysterisis, drop volume, etc.,	
	Tilting method	±0.1degree	±0.01degree	0~90°	Work of adhesion, Advance angle, Receding angle, Hysterisis, drop volume, etc.,	**(optional)**
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)