



7. Technical Specifications

Maximum sample size	Unlimited x 150 x 38 mm (l x w x h)
Frame interval	33 ms and longer
Number of frames	Unlimited number of frames
Camera	FireWire camera with 50 mm optics and 40 mm extension tube
Light source	LED based red background lighting
Dispensing	Manual one-touch drop displacement
Experiments available	Static contact angle, advancing and receding contact angles, surface / interfacial tension by pendant / raising drop method, surface free energy and elasticity of interfaces by oscillating drop / bubble method.
Contact angle measuring range	0...180 degrees
Inaccuracy	+/- 0.1 degrees
Surface tension measuring range	0.001 ... 999 mN/m
Inaccuracy	0.01 mN/m
Calculation method	Curve fitting to Young-Laplace equation, circle, polynomial or Bashforth / Adams models. Calculates separate contact angle for both sides and the mean value.
Voltage for LED light	9 V