

Contact Angle Meter CAM120 / CAM210

You can measure the average angle of droplets, droplet's left angle, droplet size, droplet diameter, static / dynamic measurements and so on. After the measurements are taken, data can be stored into EXCEL files and plotted curves.

Product Features

- CAM120's main function is to measure the liquid and drips and falls of the contact angle of the base plate, and then perform characteristic analysis before and after dealing with the base plate surface.
- Lightweight and does not take up much space
- The natural light of high brightness, long life of LED lights
- Easy to understand the software's user interface
- The lift platform can be set to XY axis movement to measure a wider range of substrate dimensions
- No external power cord(USB cable alone can be used for sufficient power supply)
- Applicable to a wide range of operating systems

Fields of Industrial Applications

- Printed circuit board (PCB) or electronic components on the inspection of organic pollutants
- Solid surface of the water-based analysis of affinities
- Various types of substrate, surface inspection
- The application of biology-related research, ex. The characteristics of protein analysis and detection



CAM120



CAM210

Specifications	CAM120	CAM210
Hardware Specification		
Optical System	CCD Camera	
Size (L×W×H)	410×250×300mm	138×77×196mm
Weight	3.5Kg	1.6Kg
Power	USB 2.0 (without additional power)	
Sample stage	Height : 80mm Diameter : 80mm	--
Specimen size (L×W×H)	∞ × 170×60mm	140mm×77mm×∞
Resolution	800×600pixel	
Light source	LED lamp (The sensitivity can be adjusted by software interface)	
Adjustable range for stage	X: 140mm Y: 240mm Z: 10mm	--
Software Specifications		
Operating System	Windows XP SP2 Windows Vista Windows 8 Microsoft.NET Framework2.0	
Measuring Methods	Static measurements (average contact angle, left / right contact angle) Dynamic measurements, measure droplet size & droplet diameter	
Measuring Range	0~180°	
Image Format	AVI file Set up capture time for the image by user The Contact Angle can be measured any one frame picture of the AVI file	
Data Measure	Measured data saved in excel Measured data can be drawn into the curve graph & Saved in JPG file Support the analysis of a large number of data	
Surface Free Energy	Calculation method: (a) Owens method (b) Wu method (C) Oss & Good method Database with liquid parameters can establish their own parameters of liquid.	

