

Phoenix-Mini Portable Contact Angle Analyzer



The Phoenix-Mini is specially designed to be smaller and lighter for QA/GC labs. The compact size provides easy portability and makes it convenient to evaluate surface treatments and cleanliness.

This instrument has a pre-aligned and fixed camera system. Camera and lens adjustments are no longer necessary. The liquid is supplied by a precise manual syringe system with interchangeable tip sizes for greater flexibility for research analysis. The adjustable LED back light improves the image quality. The Phoenix Mini can be connected to desktop PC or notebook via the fast USB port. This increases the comfort of a portable instrument.

Features

- Precise contact angle measurement from 0 to 180°
- Easy and convenient operation and portability
- Automatic calculation of contact angle and surface energy
- Long life LED light source

Typical Applications

- Semiconductor applications
- Detection of organic contamination on PCB and electronic components
- Evaluation of the cleanliness, surface treatment and coating processes
- Hydrophobicity and hydrophilicity of solid surfaces
- Biological applications as the detection and characterization of proteins
- Quality determination of plasma treatments
- Printability on polymers



Closed shape image



Result preview and d-base function

Specifications

Model	Phoenix-Mini
Max. Sample size	50 x 20 (mm)
Light Source	LED
Resolution	640 x 480 pixel
Max. measuring speed	70 frames/sec. (USB)
Drop control	Manual Drop Control
Contact angle range	0 ~ 180°
Accuracy	± 0.1 °
Connecting type	USB connection
Operating system	Windows XP®, Windows 7®, Windows 8®
Power	110/220 volt, 50/60 Hz
Dimension (H x W x D) mm	180 x 120 x 150
Weight	950 g



SEO (Surface Electro Optics)
 #946 Kosekdong, Suwon City,
 Kyunggido, 441-813 Korea
 Phone: +82-31-298-9561
 Fax: +82-31-298-9565
 E-mail: seo@s-eo.com
www.s-eo.com



Thermal Analysis & Surface Solutions
 Pfingstweide 21 61169 Friedberg Germany
 Telefon: +49-6031-1622-321
 Internet: www.thass.net
 E-Mail: info@thass.net