



Contact Angle Analyzer

Phoenix-i

The phoenix series is designed to offer the flexibility required QA, R&D and engineering process development.

Phoenix-i is a quite simple and virtually measure any sample size without sample cutting prepare.

Light-weight means simply control device and simply handling.

Phoenix-i adopted USB type camera. Easily connect to note book and desk top computer device with Surfaceware8 software.

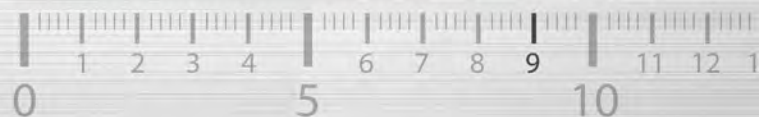
Features

- Data checking instantly without open analysis window by preciew result function
- High-resolution and powerful image capture system
- Available to connect to Notebook or Desktop PC via USB port
- Improved precision and reproducibility by the elimination of operator error
- Inside of device condition checking window
- Light-weight
- LED light source

Capabilities

- Static contact angles
- Sequence image capture by appointed interval time basis
- Surface energy
- Real time contact angle display (preview function)
- Smart capture for super hydrophilic material

Phoenix-i



Typical Application

- Semiconductor applications.
- Detection of organic contamination on PCB and electronic components.
- Evaluation of cleanliness / treatment / coating processing.
- Hydrophobicity and hydrophilicity of solid surfaces.
- Biological application such as the detection and characterization of proteins.
- Adsorption / wettability of powder and pharmacy.
- Analysis of plasma treatments to increase the wettability on polymers surfaces.

Technical Data

- *Sample size* Virtually unlimited
- *Max Measuring speed* 70 FPS
- *Light Source* LED
- *Contact Angle range* 3°~180°
- *Accuracy* ±0.1° deg
- *Connecting type* USB
- *Operating system* Windows XP, Window 7, Window 8
- *Dimension (mm)* 90(H) except syringe height x 90(W) x 50(D)
- *Weight* 450g

Option

- *Software control tilting stage*



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