

PHOENIX-PICO / NANO LITER SYSTEM

Contact Angle Analyzer

The SEO Phoenix- Pico / Nano liter is a drop shape analysis system specially designed and optimized for extremely small samples, including; BGA(Ball Grid Array), hair, fiber, textile, and biological applications.

Features

- Nano Dispensing System Piezo-electric / controlled drop by SEO software
- Nano/Pico Tip Driven by Piezo Actuators.
- Optics High resolution Zoom lens & CCD camera
- Light Source High intensity LED with low thermal radiation.
- Sample Stage X-, Y-Axis control by Precision Screw.
- Drop Size Pico/Nano mode : Up to 70 pico-liters
- General Mode :Micro-liter
- SEO software Image captures the individual image, contact angle, sequences and surface energy calculations.

The Phoenix Pico/Nano can do general mode (micro-Liter) and Pico / Nano Mode.



SEO(Surface Electro Optics)

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Capabilities

Pico / Nano Mode

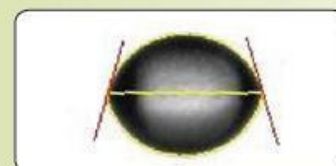
- Automatic Drop & Contact angle Analysis
- Sequence capture images by time base
- Surface energies

General Mode

- Manual or Automatic drop control
- Static / Dynamic Contact angle (advancing / Receding)
- Sequence capture images by time basis & dynamic movies
- Surface energies & Surface tension for pendent drop
- Report & data analysis functions.



Hair



small-chip

Technical Data

- Sample size 200 × 150 mm
- Sample stage X-, Y- Control
- Lens High resolution Zoom & focusing
- Max. measuring speed 30 or 90 frames/sec
- Drop Control Pico / Nano mode(Automatic drop)
General mode(Manual drop as standard) (Option:Automatic drop)
- Contact angle range 0° ~ 180° deg
- Accuracy ± 0.1° deg (standard Calibration)
- Connection type 1394 or frame grabber, USB
- Operating system Windows
- Power 110 / 220 volt, 50 / 60Hz
- Dimensions 25.5 × 12 × 8 (650 × 300 × 450 mm)
(L × W × H, in / mm)

SEO reserve the right to change specifications without notice



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