

SEO-CTA480M Cleanness & Treatment Analyzer

Do you need to characterize the surface of Large Samples?
LABKOREA can help because we have the experience and technology to meet your surface characterization needs.



Our model CTA Contact Angle Analyzer was specifically developed to enable the evaluation of surface cleanliness and treatment conditions of large size samples, LCD displays, semiconductor Wafers, PDP, EL, and many others can now be characterized without difficulty.

Discover the difference that LABKOREA can make for you. We are certain that the benefits offered by the CTA Contact Angle Analyzer will help in your Q.C and R&D programs. We have combined a very precise Contact Angle measurement with flexible sample handling.



advantages

1. Automatic and rapid sample analysis and high-speed dynamic image capture.
2. Improved precision and reproducibility by the elimination of operator error.
3. Measurement of surface tension and static/dynamic contact angle.
4. Calculation of surface energy and work of adhesion by the following

Methods: Girifaleo-Good-Fowkes-Young, Owens-Wendt Geometric Mean, Wu Harmonic Mean, and Lewis Acid/Base.

Specifications

Name	SEO CTA 480M(Cleanness and treatment analyzer)
Unit size(L*H*W)	1140*740*495 (mm)
Power	110V/220V, 50/60Hz (Only 220V in Korea)
Max. Sample size(L*W)	480*380 (mm)
Max. Sample thickness	60(mm)
Total weight	76 kg
Zoom	6.4 fold
Focus	Internal, ±6 mm
Resolution	768 × 576 NTSC, 16M color
Max measuring speed	30 images/s
Moving type	Manual (Speed & Rotated by handle)
Dispenser type	Controllable Micro pump (1 μ step) by computer
Light source	Rear lamp, Halogen (control by dimmer)
Operating system	Windows 95/ 98/ Me/ NT/ 2000
Evaluation methods	Static contact angles / Pendant drop analysis
Contact angle	0 ~ 180 °, ±0.1° accuracy
Surface and interfacial tension	10*(-1)~10*(3)mN/m Resolution ±0.05 mN/m
Accessories	Instruction/Operation Manual, tip set, level, tweezers
	fuse, lamp, Teflon tube, Tool box etc.
Options	Computer system (Factory Setup).
	External temperature measurement
	Thermal heating Pad (Max. 350°)
	Cooling Pad System SPC software

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