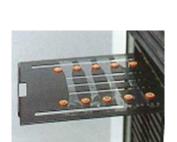


211 | Strograph AE Film Model AE2-F



Specimen tray





Extensometer

APPLICATION

Strograph AE2-F, a fully automatic tensile tester, is designed to perform tensile tests on film samples and comprises sample storing unit, and thickness measuring unit, sample feeding and measuring unit, non-contact extensor meter, sample removing and data processing units. By setting samples on the tray and mounting the tray on the sample storing unit, the designated processes are automatically continuously implemented, and tensile tests are performed according to the set testing conditions. The test results are transferred to the PC, allowing the user to save or print it out.

FEATURES

- (1) Easy test preparation ensured by setting samples in the pullout tray designed for films in the storing unit, regardless of sample materials or properties such as flexible, easy-to-curl, and no-body;
- (2) Short testing time brought about by the high-speed return function of the cross head upon test completion;
- (3) Compact and small-footprint design;
- (4) Capable of measuring the degree of elasticity; and,
- (5) Available of optional tray capable of mounting 50 shelves (up to 250pcs of samples), and sample holder preventing samples from getting stuck to linear gauge's indenter.

SPECIFICATIONS

SPECIFICATIONS			
Main unit			
Maximum capacity	Below 500N		
Tensile speed	0.5 to 500mm/min. (19 steps)		
Return speed	Max. 1500mm/min.		
Speed accuracy	±0.5%		
Effective stroke	Approx. 850mm (650mm optional)		
Stroke display	0.00-9999mm		
Stroke limiter	Upper and lower limiter (the combination of electric and mechanical limiter)		
Lead screw	Ball screw, mono career		
Motor	Servo motor		
Measurement unit			
Load cell	Max. 500N (tensile only)		
Load range	Range-less (Equivalent with x1 to x100)		
Load display	Digital		
Resolution	1/200,000 or 1/250,000 of the load cell capacity		
Accuracy	±1.0% (within the range 1/1 to 1/500 of load cell capacity)		
Zeroing	Automatic		
Sag correction	Automatic		
Pneumatic chuck			
Face size	W30 x H12mm		
Capacity	500N		
Air supply	0.5MPa		
Thickness measureme	ent section		
Thickness measurement	Digital gauge		
Resolution	1/1000mm		
Accuracy	±3/1000mm		
Measurement points	3 points, within the gauge length		
Measurement anvil	Ø5mm		
Extensometer			
Method	Contact type		
Gauge length	50mm		
Tracking speed	Max. 500mm/min		
Effective stroke			
	Approx. 500mm		
Specimen tray	NA 100 : (5 20 :)		
Tray	Max. 100 specimens (n=5 x 20 trays)		
Caratinana	Optional 250 pcs (n=5 x 50 trays)		
Specimen	JIS Z 1702:1994 standard drawing1 JSO 537 3 :1005 an active at type 3 type 1R		
Data musessing unit	• ISO 527-3-:1995 specimen type 2, type 1B		
Data processing unit	Description of the left interior of the left interi		
Configuration	Personal computer, LCD monitor, Ink-jet printer, PC rack, Data processing software		
Setting parameters	Date, Operator's name, Temperature, Humidity, Test conditions, Lot, Grade		
Data processing	Max stress, Max elongation, Yield stress, Yield elongation, Tensile modulus,		
parameters	Max value, Minimum value, Average and Standard variation		
Utilities	Cingle phase AC100V FO/COUR are 15A		
Power supply	Single-phase, AC100V, 50/60Hz, app.15A		
Compressed air supply	0.5MPa, Approx. flow rate: app.40L/min (clean air)		
Dimensions	Main unit: Approx. W800 x D760 x H2640mm Net weight: app.200Kg		
	PC rack H: Approx. W650 x D610 x H1350mm		
Deleted at 1 1	PC rack L: Approx. W600 x D600 x H1265mm		
Related standards	ISO 527-3, JIS Z 1702		

OPTIONS

<u> </u>		
Name	Model	Description
Non-contact (CCD) extensometer	AE-CCD	1. Tracking method: CCD tracking
		2. Resolution: 0.1mm
		3. Accuracy :0.2mm or 1%, either larger
		4. Power source: AC100V 50/60Hz 2A
50 shelves tray	AE-50	Tray to set 300 pcs of samples at one time
Thickness measurement section	SP	Measuring mechanism with samples held on
specimen support		the sample tray to prevent the samples on
		the linear gauge from contacting on the
		measurement anvil.

Specifications are subject to change without notice.



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