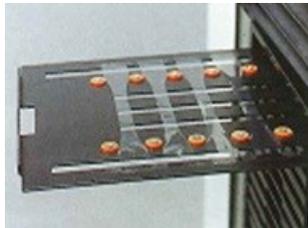


No.211 Strograph AE Film

Model AE2-F



Specimen tray



Extensometer

■ APPLICATION

The **Strograph AE Film** is fully automatic tensile tester for plastic films employing latest mechatronics technology. It is designed incorporating specimen tray and conveyor mechanism for transporting specimens. As regards functions and configuration of this machine, it consists of a specimen storage unit, specimen thickness measuring unit, specimen conveyor unit, testing unit, specimen mounting/dismounting unit and data processing unit. By simply loading specimens in the tray of specimen storage box, it automatically perform tests continuously at specified speed. On the other hand, load and elongation of specimen pulled under specified test conditions are converted to electric signals, the data are processed by the personal computer and are printed out.

■ SPECIFICATIONS

Main unit	
Tensile speed	0.5 to 500mm/min. (19 steps)
Return speed	Max. 1500mm/min.
Speed accuracy	±0.5%
Effective stroke	Approx. 650mm (Approx. 850mm optional)
Measurement unit	
Load cell	Max. 500N
Load range	Range-less (Equivalent with x1 to x100)
Accuracy	±1.0% (In the range 1/1 to 1/500 of load cell related capacity)
Zeroing	Automatic
Sag correction	Automatic
Pneumatic chuck	
Face size	W30 x H12mm
Capacity	500N
Thickness measurement section	
Thickness measurement gauge	Digital type
Resolution	1/1000mm
Accuracy	±3/1000mm
Measurement points	3 points, within gauge length
Measurement anvil	Ø5mm
Extensometer	
Method	Contact type
Gauge length	50mm
Tracking speed	Max. 500mm/min
Effective stroke	Approx. 500mm
Specimen tray	
Number of specimens	Max. 100 specimens (n=5 x 20 trays) Max. 250 specimens (n=5 x 50 trays) optional
Kind of tray	To be selected upon order. <ul style="list-style-type: none"> ■ JIS Z 1702 1 ■ ISO 527-3 Type 2, 1B
Data processing unit	
Configuration	Personal computer, LCD monitor, Ink-jet printer, Data processing software
Setting parameters	Date, Operator, Temperature, Humidity, Test condition, Lot, Grade
Data processing parameters	Max. stress, Max elongation, Yield stress, Yield elongation, Tensile modulus, Max value, Minimum value, Average, Standard deviation
Utilities	
Power supply	Single-phase, 50/60Hz, AC100V, 1.5kVA
Compressed air supply	0.5MPa, Approx. 40L/min.
Dimensions	Main unit: Approx. W800 x D760 x H2240mm Data processing unit: Approx. W800 x D640 x H1260mm
Net weight	Main unit: Approx. 220kg
Related standards	ISO 527-3, JIS Z 1702

■ OPTIONS

Name	Model
250 specimens (n=5 x 50trays)	-----
Stroke 200mm extension	-----
Thickness measurement section specimen support	-----

Specifications are subject to change without notice.



TOYO SEIKI SEISAKU-SHO, LTD.

5-15-4, Takinogawa, Kita-ku, Tokyo 114-8557, Japan

Tel:+81-3-3916-8183 Fax:+81-3-3916-8173

www.toyoseiki.co.jp

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