

No.530 MIT type Folding Endurance Tester



Model S-2 (Spring weight type)



Model D-2 (Dead weight type)

■ APPLICATION

Evaluates folding endurance of paper, plastic film, leather, flexible printed circuit board and flat plastic cable, etc. by repeatedly folding sample in both directions.

■ FEATURES

- Auto zero setting type electronic counter for easy-to-read indication of folding cycles.
- Folding angle can be selected from 45°, 90° and 135°.
- Test can be conducted with high folding speed (175cpm) or low folding speed (90cpm).
- Setting of specimen is easy because the rotating chuck automatically returns to the vertical set position after breaking of specimen.
- Reliable and safe operation because the bearings are of completely oil-free type.
- Data output to PC is possible as optional.

MECHANISM

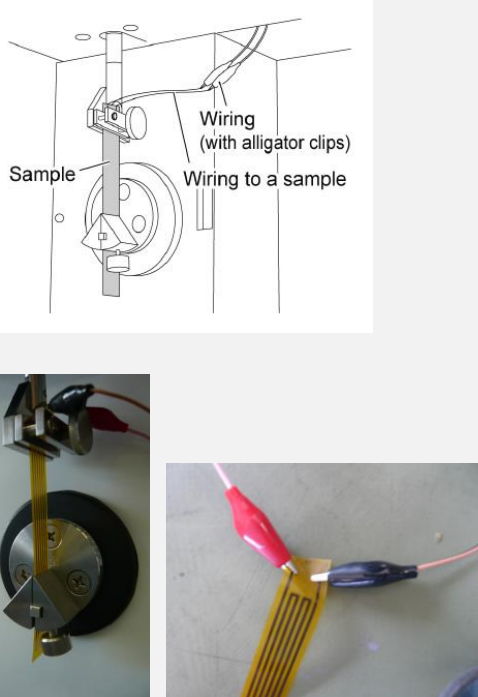
The chuck is connected through plunger to the spring type load meter (Model S-2) or dead weight type loading device (Model D-2) which applies a constant load to the specimen.

- Model S-2 is generally used for testing materials having small elongation such as paper, etc.
- Model D-2 is used for testing materials having large elongation such as plastic films, etc.

SPECIFICATIONS

Model	S-2 (Spring type)	D-2 (Dead weight type)
Load	To be selected <ul style="list-style-type: none"> ■ 4.9 to 14.7N ■ 0.98 to 4.9N 	To be selected <ul style="list-style-type: none"> ■ 2.45 to 19.6N (2.45N steps) ■ 0.98 to 9.8N (0.98N steps) ■ 0.98 to 9.8N (0.49N steps)
Folding angle	Left and right, 45°, 90°, 135° each	
Revolutions	90 or 175cpm (Selectable)	
Chucks (Standard spec.)	<ul style="list-style-type: none"> ■ Tip radius R0.38 ■ Clearance 0.25mm ■ Sample width 15mm 	
Operation panel	LCD touch-screen (Max. number of folding: 9999999 times)	
Power requirement	Single-phase, AC100 to 230V, 50Hz or 60Hz, 0.5kVA	
Dimensions	W280 x D320 x H450mm	
Weight	Approx. 25kg	
Related standards	ISO 5626 JIS P 8115, R 3420, C 5016* ASTM D2176 TAPPI T511 <i>*Applicable to folding resistance tests specified in JIS C 5016 (with both conduction terminals on one end of a sample)</i>	

■ OPTIONS

Name	Model (Part No.)	Photo
Continuity test	BW1	
Resistance break test <ul style="list-style-type: none"> ■ Applied current: 10mA DC, constant current ■ Measurement range: 200.0Ω, 2.00Ω ■ Break point resistance setting range: 200.0Ω range: 1.0Ω to 400.0Ω 2.00Ω range: 0.010Ω to 4.000Ω ■ Instantaneous break detection level: 200.0Ω range: Fixed at approx. 500Ω 2.000Ω range: Fixed at approx. 5Ω 	BD1	
Data processing unit (PC + Software for resistance break test) <ul style="list-style-type: none"> ■ Processing items: Excel format data recording Parallel graph display, with post-measurement zoom-in/out function Vertical axis: Resistance Horizontal axis: Number of refractions 	PC	
Data import software (Simple software)	EX-2	

Specifications are subject to change without notice.



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