

BONE & WOUND BREAKING STRENGTH TESTERS

MODEL TK-252C



Muromachi TK-252C has been designed for the precise measurement of the bone and wound breaking strength of the rats or mice. It is a space-efficient desk top model that has not ever commercially been available.

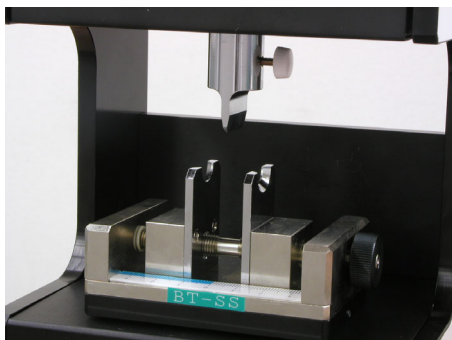
Four types of tests----- **1) Bending** **2) Torsion** (optional) **3) Compressing of Lumbar Vertebrae** (optional) **4) Wound Breaking** (optional) can be performed just by replacing the sensors and their accessories.

The information on the measurement can be entered by the keyboard of the Controller and the test results will be graphically displayed on the screen of the Controller and then printed out by the built-in rapid thermal printer.

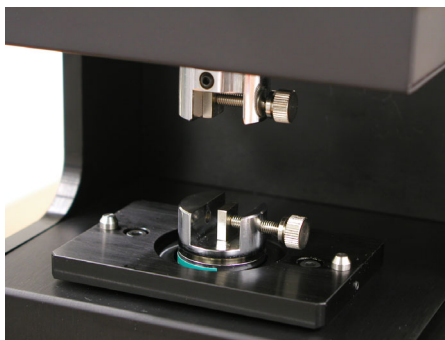
In the torsion test, on top of normal operation, the operator can preset an extra weight ranging from 10 grams to 490 grams by 10 gram steps against the sample.

RS232C interface is provided on the rear panel of the Controller so that the data obtained can be exported to a personal computer and saved as a CSV file. DCS-BST Data Collection Software comes supplied with the instrument.

The operation is quite simple and so even personnel not experienced in this test can use it with ease.



Bending Test



Torsion Test



LV Compressing Test

SPECIFICATIONS

DETECTOR	
Load Cell	500N
Strain Gauge	100Ncm

PRINTER	
Chart Paper	Thermosensitive 58mm Wide × 25m Long
Contents of Printout	Date (2010-10-30) Time (10:30:00) Test No (1234567) Speed (mm/min) Sample No (1234567) Max. Breaking Strength (N) Distance (mm) Breaking Energy (mJ) Stiffness (N/mm) (Ncm/r)

DISPLAY	
CRT	Monochromatic with Brightness & Contrast Control
Screen Size	9 inch

TESTER	
Dimensions	180W × 145D × 370mmH
Weight	Approx. 10 kg

CONTROLLER	
Dimensions	400W × 380D × 240mmH
Weight	Approx. 13 kg
Power	AC 100V 50/60 Hz

The Standard System Consists of:		
1) TK-252C Controller with built-in 9" display and printer		1
2) TK-252C/RDT Tester		1
3) Bending Test Setup (Sensor unit, Sample Stage, Adapter)		1
4) DCS-BST Data Collection Software (Windows Version)		1
5) USB-Serial cable		1
6) TSP-10 Thermo-sensitive Chart Paper (58mm Wide)		1

OPTIONAL EXTRAS	
Lumbar Vertebra Compressing Adapter for Rats Weighting -350g	LV-001R
Lumbar Vertebra Compressing Adapter for Rats Weighting 350 - 450g	LV-002R
Torsion Test Setup for Rats	TTS-001R
Torsion Test Sample Making Device for Rats	TSM-001R/SQ
Bending Test Sample Making Device for Rats	BSM-001R/RD
Femoral Neck Compressing Kit for Rats	FNK-001R
Tensile Test Setup for Rats	TNTS-001R
Wound Breaking Test Setup	PTS-001SK
Bending Test Setup for Mice	BTS-001M

FNK-001R Femoral Neck Compressing Kit for Rats



PTS-001SK Wound Breaking Strength Test Setup

Measurement range: 0.01N(1g) - 10N(1kg)



Custom-made accessories are available upon request.

Specifications are subject to change without notice.

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