

# BONE STRENGTH TESTER FOR MONKEYS

## MODEL TK-252C/MK

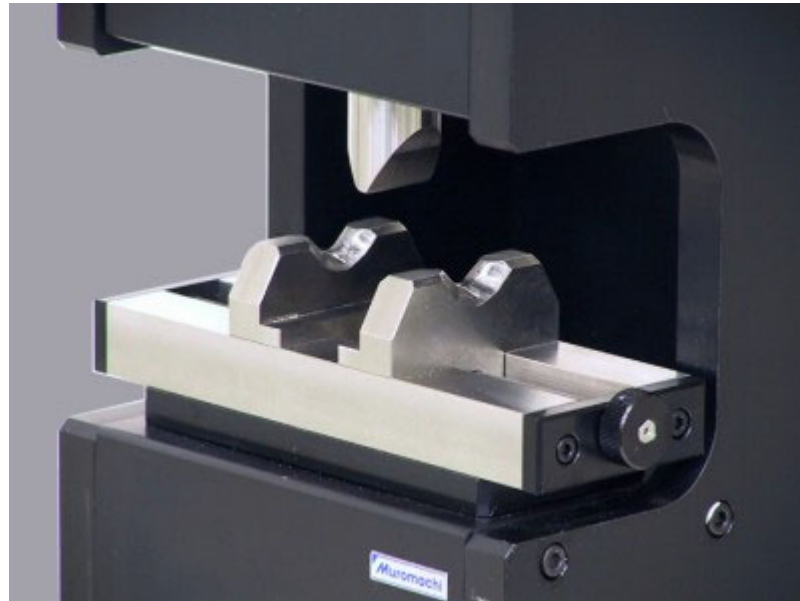


Muromachi Bone Strength Tester TK-252C/MK has been designed for the precise measurement of the bone strength of the monkeys, however, it can be used for the rats and mice by replacing the sensors and sample holders.. It is a space-efficient desk top model that has not ever commercially been available.

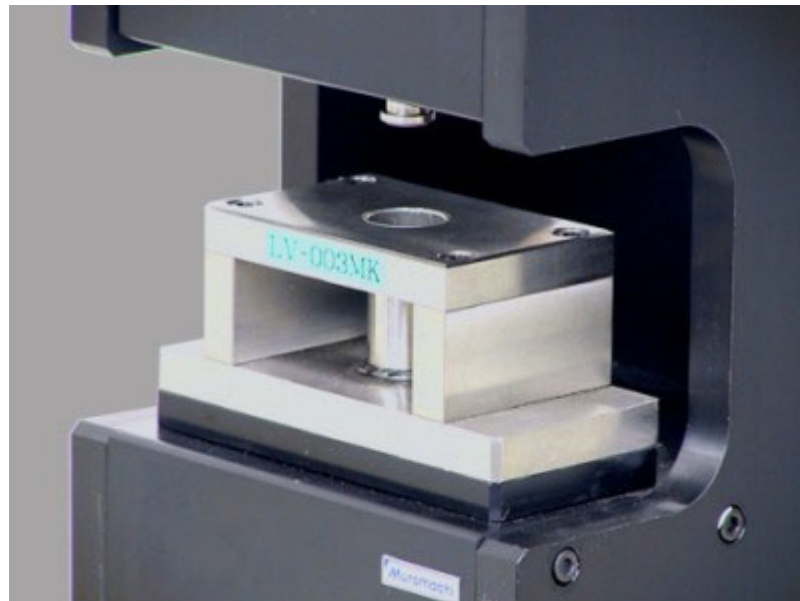
### Main Features

1. Two types of tests----- 1) Bending 2) Compressing of Lumber Vertebrae can be performed with the standard system just by replacing sensors and sample holders.
2. 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.
3. RS232C interface is provided on the rear panel of the Controller so that the data obtained can be transferred to a personal computer. Data Collection Software DCS-252C (Windows Version) is supplied with the instrument as standards.
4. The operation is quite simple and so even personnel not experienced in this test can use it with ease.

**BTS-003MK Bending Test Setup for Monkeys**



**LV-003MK Lumbar Vertebra Adaptor for Monkeys**



## SPECIFICATIONS

DETECTOR	
Load Cell	5000N
Strain Gauge	1500Ncm

PRINTER	
Chart Paper	Thermosensitive 58mm (W)× 25m (L)
Contents of Printout	Date (2005-10-30) 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 × 165D × 460mmH
Weight	Approx. 17 Kg

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

### The Standard System Consists of:

1) Controller with built-in 9" display and printer	1
2) Tester TK-252C/MK (for Monkey)	1
3) Bending Test Setup BST-003MK(Sensor unit, Sample Stage, Adapter)	1
4) Lumbar Vertebra Adapter (LV-003MK)	1
5) Data Collection Software DCS-252C (Windows Version)	1
6) USB-Serial cable	1
7) Chart Paper TSP-10 (58mm Wide)	1

### OPTIONAL EXTRAS

Lumbar Vertebra Compressing Adapter for Rats Weighting 350g and under	LV-001R
Lumbar Vertebra Compressing Adapter for Rats Weighting 350 - 450g	LV-002R
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	PTS-001R
Bending Test Setup for Mice	BTS-001M
Data Re-analysis Software	RAS-252C

### Femoral Neck Compressing Kit for Rats FNK-001R



Custom-made accessories are available upon request.

Specifications are subject to change without notice.

**MUROMACHI KIKAI CO., LTD.**

4-2-12 Nihonbashi-Muromachi, Chuo-ku, Tokyo, 103-0022 JAPAN  
E-mail:sales@muromachi.com

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TEL:81-3-3241-2444

FAX:81-3-3241-2940