

## Mitech MTNW Horizontal Manual Spring Torsion Testing Machine

### Overview

Mitech MTNW horizontal manual spring torsion testing machine, by the manual loading test force, can be used for a variety of coil spring test, the use of manual loading, computer control, digital intelligent display, its stable performance, simple operation, strong and simple structure, high efficiency. Widely used in spring manufacturing, low-voltage electrical appliances, power machinery, institutions of higher learning and scientific research units and other fields. It is the necessary professional precision testing equipment for improving production efficiency and saving production costs.

### Technical Parameters

Technical Parameters	MTNW						
	MTN-1000W	MTN-2000W	MTN-5000W	MTN-10000W	MTN-20000W	MTN-50000W	MTN-100000W
Structural form	Horizontal structure						
Measuring range N.mm	1000	2000	5000	10000	20000	50000	100000
Display range	0 - full load						
Load resolution	0.001/0.01/0.1/1/10						
Test angular range	0-±9999.9°						
Torsional angular resolution	0.1°						
Accurate measurement range	2% -100% Maximum test torque						
The height of the test specimen	≤170mm						
The sample length is tested	≤260mm						
Indication accuracy	±1%						
Power supply	220V						

### Working Principle

Spring tension and compression testing machine, the sensor force generated by the signal sent

to the measurement amplifier, amplified into the A / D converter into a digital signal is accepted by the computer system, by the computer system to accept the digital processing, the computer system to deal with the operation of A / D converter to the signal through the LCD display data.

## Features

- Widely used in spring manufacturing, low-voltage electrical appliances, power machinery, institutions of higher learning and scientific research units and other fields;
- Novel shape, strong structure, high reliability, high precision measurement;
- Any left and right rotation, the angle of any set, simple, convenient;
- The use of angular displacement sensor (photoelectric encoder), the torque sensor angular displacement can be automatically corrected;
- With peak hold, overload protection, stiffness calculation and other functions, is conducive to user utility expansion;
- Equipped with micro-printer that can be real-time print test result;
- After testing, test data and test curve automatically saved for later retrieval analysis;
- Use of LCD display, menu-type user interface, simple and intuitive, convenient and quick;
- Consistent with GB, ISO, ASTM, DIN and other relevant domestic and foreign standards.

## Scope of application

Widely used in spring mechanical performance test.

## Applications

- Spring manufacturing industry
- Power machinery industry
- Experimental teaching experiment in colleges and universities
- Scientific research institutions of material analysis test
- Quality inspection departments quality testing links

## Working conditions

- Operating temperature: room temperature ~ 45 °C;
- Relative humidity: 20% to 80%;
- No vibration around, no corrosive media, no strong magnetic field interference;
- Horizontal installation on a solid basis;

## Configuration

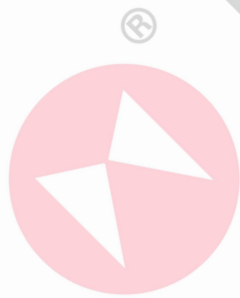
	No.	Item	Quantity	Note
Standard Configuration	1	Testing machine host	1	
	2	Control system	1	
	3	Power cable	1	
	4	Attached fiels	1	

## Maintenance and care

- Before using this instrument, please read the instruction manual carefully, understand the operation steps and precautions, avoid the damage caused by improper operation or personal safety accident;
- Test machine is a large precision instruments, should pay attention to water, moisture. Exposed workstations, upper and lower beam parts and attached parts should be coated with anti-rust oil

to prevent rust;

- If idle for a long time, at least once a week and move the upper and lower beams, so that beam position, silk mother often activities to prevent rust;
- Should be at least once a year for the instrument to do periodic testing to ensure the accuracy of the test machine;
- Electrical connection cable and equipment should be careful when connected, moderate efforts, remember not swipe, hard pull.
- Don't disassemble the instrument without authorization, maintenance related matter, please contact MITECH after-sale service department with 4000600280.



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