

Mitech MDW-TLS Digital Manual Series Spring Tension /Compression Testing Machine

Overview

Mitech MDW-TLS digital manual series Spring Tension /Compression Testing Machine, through manually loading the test force, for a variety of coil springs for tensile and compression test. It's adopts manually loading, computer control, digital intelligent display to achieve powerful function with stable performance, strong structure, high efficiency, simple operation. It's widely used in spring manufacturing, low-voltage electrical appliances, power machinery, institutions of higher learning and scientific research institutes and other fields and it is a necessary professional precision testing equipment to improve production efficiency and save production costs.

Technical Parameters

Technical parameters	MDW-TLS10-200	MDW-TLS500-2000
Maximum testing force	10-200N	500-2000N
Indication error	±1%	
Testing machine grade	Level 1	
Resolution on the testing force	0.001N	0.01N
Deformation measurement resolution	0.01mm	
Effective range of test force	10%-100% of maximum test force	
Stretch effective space	240mm	270mm
Compression effective space	220mm	250mm
Power supply	220V	
Dimension	600*430*900mm	
Total Weight	Approximately 70kg	

Working Principle

Spring tension/compression testing machine measured by the force generated by the sensor signal amplified by the A / D converter into the digital signal is accepted by the computer system, the digital processing, the computer system to deal with the operation of A / D conversion Signal to the LCD display data.

Features

- Widely used in spring manufacturing, low-voltage electrical appliances, power machinery, institutions of higher learning and scientific research institutes and other fields;
- Modeling novel, strong structure, high reliability, simple operation, high precision measurement.
- Digital display, intuitive readings, high test efficiency;
- Circuit height integration, displacement, test force electronic detection, reduce the error caused by human factors;
- Equipped with a panel printer, real-time print test data;
- Consistent with GB, ISO, ASTM and other relevant domestic and foreign standards

Scope of application

Widely used in spring mechanical performance test.

Applications

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

Working Conditions

- Operation Temperature: room temperature ~ 45 °C ;
- Humid Relativity: 20%~80%;
- In an environment free from vibration, no corrosive medium.
- Installed on a flat basis.

Configurations

Standard Configuration	No.	Item	Quantity	Note
	1	Testing machine host	1	
	2	Electrical control cabinet	1	
	3	Attached files	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;
- The instrument should be test at least once a year to ensure the accuracy of the test machine;
- Electrical connection cable and equipment should be careful when connected, moderate efforts, remember not to swipe, hard pull.
- Don't disassemble the instrument without authorization, maintenance related matter, please contact MITECH after-sale service department with 4000600280