ezitown
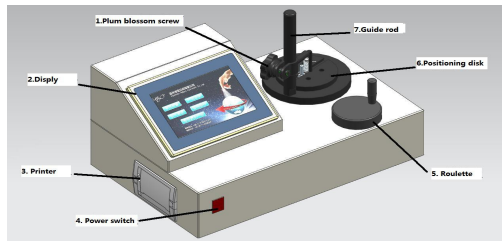
HNT Series Spring Torsion Testing Machines

HNT series vertical manual spring torsion testing machines are suitable for the twist angle and torque testing of torsional spring, volute spring, elastic element and frictional mechanism. Adding accessories, can be used to do torsional tests of parts and components. These machines refer to JB/T 9370-1999 , JJG 269-2006 standards and testing methods. We can provide testing datas according to the national standards ISO, JIS, ASTM, DIN and other standards. They are ideal test equipments for the industrial and mining enterprises, technical supervision, inspection of arbitration, scientific research institutes, universities, quality control and other departments.

Main Characteristics

1. High accuracy, high resolution, high stability;
2. 7 inch LCD touch screen, the human-computer interaction interface is easy to operate;
3. Testing direction display(clockwise - ,counterclockwise +);
4. Three units (N.mm, and GF.cm, and ozf.in)/(N.m, and kgf.cm, and lbf.in) automatically swap;
5. Can customize 5 test points, and set the allow torque value of each point, while the testing interface can show difference of torque values at each test point.
6. You can customize 10 different test items, setting different test points, respectively, after the first save, you can directly start testing by loading in the future, no need to reset.
7. The testing interface can display Real-time stiffness, section stiffness and whole rigidity.
8. Can view the saved 10 set of test data, and automatically calculate stiffness, deviation errors and statistics; can show pass rate, stiffness, the maximum, minimum, average of each set torque value ,all the displayed content are available to print out.
9. Acceleration values can be set.
10. With USB communication, you can save the test items, real time data, exporting Excel files for easy data processing.

Item	HNT-0.2	HNT-0.5	HNT-1	HNT-2	HNT-5	HNT-10	HNT-20
Range	200N.mm	500N.mm	1000N.mm	2.000N.mm	5.000N.mm	10.000N.mm	20.00N.mm
Division	0.2N.mm	0.5N.mm	1N.mm	0.0002N.mm	0.005N.mm	0.010N.mm	0.02N.mm
Units	N,mm,gf,cm,ozf,in			N,mm,kgf,cm,lbf,in			
Precision	±1%						
Rotation range	-3000.0~+3000.0°						
Angel division	0.1°						
Loading mode	Manual						
Specimen diameter	Φ100mm						
Specimen height	80mm(can be customized according to special requirement)						
Power supply	AC 220V 50HZ						
Dimension	450*300*320(mm)						