

TNW Series Auto Torsion Spring Tester(10N.m-5000N.m)

Product Description:

This machine is mainly used for torsion test of various torsion springs, scroll springs, Flat Spiral Spring and other elastic torsion parts. Measure the torque of the spring at a certain rotation angle, or measure the rotation angle of the spring at a certain torque.

Technical parameter:

Model	TNW-100A	TNW-200A	TNW-500A	TNW-1000A	TNW-2000A	NTNW-3000A	TNW-5000A
Maximum Torque (N/m)	100	200	500	1000	2000	3000	5000
Control Method	Constant torque and constant speed rotation, constant speed twist angle , close loop control mode						
Machine level	1 Class						
Torque Test Range(F·S)	2%~100%F·S						
Torque value relative error(%)	≤±1						
Torque display resolution	1/20000						
Torsional Angle Test Range(F·S)	2%~100%						
Torsional Angle value relative error (%)	Better than ±0.5						
Torsional Angle display resolution	1/20000						

intersection angle value relative error (%)	$\leq \pm 1$
intersection angle display resolution(°)	0.01
Max. torsion Angle	99999°
Torsional angular rate control range (°/min)	0.05-800
Chuck spacing effectively (mm)	600
Power Supply	220V \pm 10%, 50Hz

FOCUS IN MATERIAL TEST

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