

# T-2 Torsion Tester



**T-2 Legacy Model**



**T-2HS Model**



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# Specifications

## Torque

- ❑ Torque Capacity 2 NM (17.7lbf-in)
- ❑ Torque Resolution 0.00004NM (0.00035lbf-in)
- ❑ Recommended minimum Torque: 20Nmm (0.177lbf.in)
- ❑ Torque Accuracy:  $\pm 0.2\text{Nmm}$  at 20Nmm ( $\pm 0.00177\text{lbf.in}$  at 0.177lbf.in) and better than  $\pm 20\text{Nmm}$  at 2000Nmm. ( $\pm 0.177\text{lbf.in}$  at 17.7lbf.in)
- ❑ **Secondary Load Cell Possibilities:**

Torque Cell Type	Torque Capacity		Torque Resolution		Torque Accuracy at 1% of Range	
	NM	Lbf.in	NM	Lbf.in	$\pm\text{NM}$	$\pm\text{lbf.in}$
0.500	0.500	4.425	0.00001	0.000088	0.00005	0.000443
0.010	0.01	0.088	0.0000002	0.000002	0.000005	0.000048

- ❑ Continuous digital display or Torque/Angle graphical analysis tools and display
- ❑ Interchangeable torque cells
- ❑ Safe overload to 200% of FS (Software overload protection at FS).

## Angular Rotation

- ❑ Resolution: 0.036°
- ❑ Accuracy:  $\pm 0.5^\circ$ , **Accuracy:  $\pm 0.1^\circ$  for HS model**
- ❑ Absolute display of angle from 0 - 50000°. Angle zeroed anywhere in this range. Test angle absolute or from free position.

## Fixtures

- ❑ Testing fixture with 4 pin hole sizes (for torque up to 20Nm) or optional 75mm (3.0") 3 jaw chuck (for torque up to 2Nm)

## Body Length OD

- ❑ 152mm (6") Maximum
- ❑ 100mm (4") Maximum

## Computer

- ❑ 2.4GHz (minimum) Dual Core processor
- ❑ USB port for PC data transfer
- ❑ Fully Microsoft Windows 10 and Windows11 Compatible
- ❑ 23" SVGA Color monitor supplied with a PC

## Languages

- ❑ English, German, Turkish

## Software Features

- ❑ Active Torquecell Electronically Identified
- ❑ Programmable for automated testing, including spring rate results.
- ❑ Full reporting and printing capability available.
- ❑ SPC control charts available.
- ❑ Smart self calibration routines
- ❑ Automatic or manual determination of torsion rate (linear analysis)
- ❑ **Fatigue testing algorithm available with HS model**

## Units

- ❑ Nm, Nmm, kgf-m, gf-mm, kgf-cm, ozf-in, lbf-in and angles in degrees or revolutions

## Test speeds

- ❑ 0 – 6 RPM, servo motion controlled
- ❑ **0 – 300 RPM, (12 distinct speed settings available) Speed controlled and not effected by load-----HS model**

## Dimensions

- ❑ 520mm x 228mm x 224mm (20.5"x9"x8.8") LxBxH
- ❑ Weight 20kg (50lbs)
- ❑ **Power** 110V~220V AC 1.5A (Maximum)