

T-0.5 Torsion Tester



T-0.5 Legacy Model



T-0.5HS Model



WWW.SASTESTERS.COM

Ph: +972-9-7603895

Fax: +972-9-7604849

E-Mail: Info@SASTESTERS.COM

Specifications

Torque

- Torque Capacity 0.5 NM (4.425lbf-in)
- Torque Resolution 0.00001NM (0.000088lbf-in)
- Recommended minimum Torque: 5Nmm (0.044lbf.in)
- Torque Accuracy: $\pm 0.05\text{Nmm}$ at 5Nmm ($\pm 0.00044\text{lbf.in}$ at 0.044lbf.in) and better than $\pm 5\text{Nmm}$ at 500Nmm. ($\pm 0.044\text{lbf.in}$ at 4.425lbf.in)
- Secondary Load Cell Possibilities:

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

Angular Rotation

- 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).
- 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 – 3000 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)