

T-0.01 Torsion Tester



T-0.01 Legacy Model



T-0.01HS Model



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Specifications

Torque

- ☐ Torque Capacity 10Nmm (0.01NM) (0.088lbf.in)
- ☐ Torque Resolution 0.001Nmm (0.0000088lbf.in)
- ☐ Recommended minimum Torque: 0.5Nmm (0.004425lbf.in)
- ☐ Torque Accuracy: ± 0.005 Nmm at 0.5Nmm (± 0.00004425 lbf.in at 0.4425lbf.in) and better than ± 0.1 Nmm at 10Nmm. (± 0.000885 lbf.in at 0.0885lbf.in)
- ☐ 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). Maximum torsion arm load of 500N (112lbf) with 20Nm load cell

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

Units

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)