

T-500



T500 fitted with ARC Spring Testing fixtures

Specifications

- Torque Capacity 500 NM (4425lbf-in)
- Torque Resolution 0.01NM (0.0885lbf-in)
- Torque Accuracy ± 0.05 NM (± 0.4425 lbf-in)
- **Secondary Load Cell Possibilities:**

Torque

Torque Cell Type	Torque Capacity		Torque Resolution		Torque Accuracy	
	NM	Lbf.in	NM	Lbf.in	\pm NM	\pm lbf.in
100	100	885	0.002	0.0177	0.01	0.0885
50	50	442.5	0.001	0.00885	0.005	0.04425
20	20	177	0.0004	0.0035	0.0016	0.028
2	2	17.7	0.00004	0.00035	0.00016	0.0028
0.100	0.100	0.88	0.00001	0.00009	0.00004	0.00036
0.010	0.01	0.088	0.000001	0.000009	0.000004	0.000036

- 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: $\pm 0.1^\circ$
- Absolute display of angle from 0 - 50000°. Angle zeroed anywhere in this range. Test angle absolute or from free position.

Fixtures

- TBD-Per Application)

Body Length

- 300mm (12") Maximum

OD

- 200mm (8") Maximum

Computer

- 2.4GHz (minimum) Dual Core processor
- USB port for PC data transfer
- Fully Microsoft Windows Win 7 and Win10 compatible)
- 19" SVGA Color monitor supplied with 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 – 75 RPM, (8 distinct speed settings available) Speed controlled and not effected by load-----HS model**

Dimensions

- 900mm x 590mm 1490mm (35.43"x23.22"x59") – LxBxH
- Weight 250kg (550lbs)

Power

- 3Phase 360-480V AC 20A (Maximum)



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