

T-200



Specifications

- ❑ Torque Capacity 200 NM (1770lbf-in)
- ❑ Torque Resolution 0.004NM (0.0350lbf-in)
- ❑ Torque Accuracy ± 0.02 NM (± 0.177 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

- ❑ 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

- ❑ 200mm (8") Maximum
- ❑ 120mm (4.7") Maximum

Computer

- ❑ 2.4GHz (minimum) Dual Core processor
- ❑ USB port for PC data transfer
- ❑ Fully Microsoft Windows 2000, XP, Vista and Win 7 compatible)
- ❑ 17" 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 – 30 RPM, servo motion controlled
- ❑ **0 – 300 RPM, (8 distinct speed settings available) Speed controlled and not effected by load-----HS model**

Dimensions

- ❑ 900mm x 590mm x 690mm (35.43"x23.22"x27.2") – LxBxH
- ❑ Weight 120kg (264lbs)

Power

- ❑ 3Phase 360-480V AC 20A (Maximum)



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