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T-20

Torsion Spring Testing System



- ❑ The worlds most affordable, precision, digital torsion spring testing system
- ❑ PC controlled with outstanding features (Optional laptop or PPC models available).
- ❑ Portable 12kg (25lbs), servo-motor driven - ideal for placement on location at the coiler!
- ❑ Optional SPC control charts, capabilities tests and detailed report creation software
- ❑ Programmable for automated testing with torsion spring test setups stored in files for quick recall and test
- ❑ Loaded with accessories including universal torsion spring retention fittings.
- ❑ Includes automatic Self Calibration Routines
- ❑ Fully Microsoft Windows 2000, and XP compatible

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Specifications

	T-20
Torque	<input type="checkbox"/> 20Nm (177lbf-in), standard load range, resolution – 0.001Nm (0.009lbf-in) <input type="checkbox"/> Optional 4Nm (35lbf-in) load range, resolution – 0.0002Nm (0.002lbf-in) <input type="checkbox"/> Continuous digital display or Torque/Angle graphical analysis tools and display <input type="checkbox"/> Accuracy: ± 0.01 Nm (to 20Nm) and ± 0.001 Nm (to 4Nm) <input type="checkbox"/> Safe overload to 300% of FS (Software overload protection at FS). Maximum torsion arm load of 500N.
Angular Rotation	<input type="checkbox"/> 0 - 1800° (absolute)
Fixtures	<input type="checkbox"/> Universal testing fixture including 80mm (3.2") 3 jaw chuck
Angle	<input type="checkbox"/> Resolution: 0.03° <input type="checkbox"/> Accuracy: $\pm 0.1^\circ$ <input type="checkbox"/> Absolute display of angle from 0 - 1800°. Angle zeroed anywhere in this range. Automatic test angle from free position.
Body Length	<input type="checkbox"/> 152mm (6") Maximum
OD	<input type="checkbox"/> 80mm (3.2") Maximum
Torsion rate	<input type="checkbox"/> Automatic or manual determination of torsion rate (linear analysis)
Display	<input type="checkbox"/> 17" SVGA Color monitor with PC
Computer	<input type="checkbox"/> 1.2GHz (minimum) Celeron processor with 128Mbyte RAM <input type="checkbox"/> USB port for PC data transfer <input type="checkbox"/> Pentium Processor PC or Laptop optional. <input type="checkbox"/> Fully Microsoft Windows 2000 and XP compatible <input type="checkbox"/> Pocket PC control optional
Languages	<input type="checkbox"/> English, German
Software Features	<input type="checkbox"/> Programmable for automated testing, including spring rate results. <input type="checkbox"/> Full reporting and printing capability available. <input type="checkbox"/> SPC control charts available. <input type="checkbox"/> Smart self calibration routines
Units	<input type="checkbox"/> Nm, Nmm, kgf-m, gf-mm, kgf-cm, ozf-in, lbf-in and angles in degrees or revolutions
Test speeds	<input type="checkbox"/> 0 – 6 RPM, servo motion controlled
Power	<input type="checkbox"/> 110V~220V AC 1.5A (Maximum)
Dimensions	<input type="checkbox"/> 520mm x 228mm x 224mm (20.5"x9"x8.8") - LxBxH <input type="checkbox"/> Weight 12kg (25lbs)