

AT10™

Tensile Tester

▶ Universal, table-top tensile tester for rubber, plastics, and other materials



▶ A table top model with a maximum load value of 10kN, the AT10 performs tension, compression, peel, tear, adhesion, o-ring and other tests for QC and R&D applications.

Testing Features



- Comprehensive computer controlled testing with a full range of user features
- Basic license for tension, tear, compression, peel, adhesion and O-ring
- Data point selector and custom data point calculator
- Easily reanalyze and recalculate results
- Export to Excel, Word, or SQL database

Performance



- Measure tensile modulus of materials
- Suitable for quality control and research and development
- Meets ASTM, D412, E4 and E83 Standards
- Fully CE certified

Options



- Additional software licenses for additional test requirements
- Output to Alpha Technologies LIMS software systems
- Automatic thickness gauge interfaced with software
- Wide selection of load cells
- Additional test types available (request a current list)

Specifications



Load Frame Configuration:	2 column, Table top electromechanical	Force Accuracy:	Combined Error is .018%, Linearity is .01%
Max. Rated Force Capacity:	10kN (2000 lbs)	Speed Accuracy:	Set speed >0.01 mm/min, speed accuracy is above +/- 1.0% of set speed
Test Space:	single zone	Position Accuracy:	speed .000046mm (.0000018 in)
Typical Specimens:	plastics, yarn and cord, adhesives, rubber dumbbells	Strain Accuracy:	.002mm (.000078in), Linearity is .01%
Maximum Test Speed:	1500 mm/min (60 in/min)	Safety Protection:	Over-Force Protection, crosshead travel limits, CE-compliant electronically interlocked safety door, rear safety enclosure, and others
Minimum Test Speed:	.001 mm/min (.00004 in/min)	Data Acquisition Rate:	20 msec transfer rate
Position Resolution:	.00005 mm (.000002 in)	Motor & Drive System:	AC Servo Motor
Power Requirements:	120-230VAC, 50/60HZ, 5A Single Phase	Software Languages:	English, German, Czech, Polish, French, Italian, Spanish, Dutch, Russian and Turkish
Air Pressure (Min/Max):	90-120 psi (6.2-8.3 bar)		
Vertical Test Space:	700mm (27.5 in)		
Frame Height:	1500mm (59 in)		
Frame Width:	635mm (25 in)		
Frame Depth:	762mm (30in)		
Frame Weight:	170kg (375 lbs)		

