

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.

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Performance

The AT10™ is a comprehensive computer-controlled testing instrument with a full range of user features, including a data point selector, custom data point calculator, and a basic license for tension, tear, compression, peel, adhesion, and O-ring tests. It meets ASTM E4 and E83 Standards and is suitable for quality control and research and development.

Features

Easily reanalyze and recalculate results

Measure tensile modulus of materials

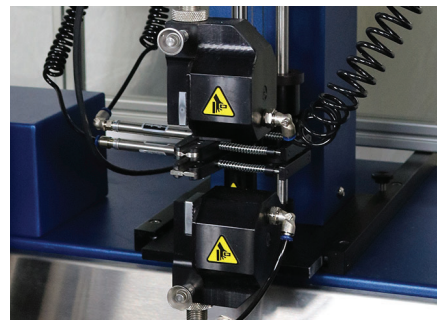
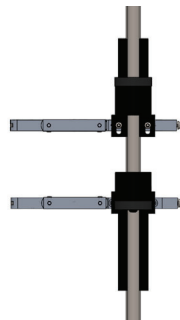
Optional thickness gauge

Benefits

Simple solution for adding additional data points after a test has been performed

Allowing the user to determine the strength of their material under various conditions as well as measure the maximum load a material can withstand

Provides additional data points and information about a material under tension



Specifications

Compliance:	CE Approved	Force Accuracy:	Combined Error is .018%, Linearity is .01%
Load Frame Configuration:	2 column, table top electromechanical	Speed Accuracy:	Set speed >0.01 mm/min, speed accuracy is above +/-1.0% of set speed
Max. Rated Force Capacity:	10kN (2000)	Position Accuracy:	.0000018in (.000046mm)
Test Space:	Single zone	Strain Accuracy:	.000078in (.002mm), Linearity is .01%
Typical Specimens:	plastics, yarn and cord, adhesives, elastomers, foam	Safety Protection:	Over-Force, travel limits, and others
Maximum Test Speed:	60 in/min (1500 mm/min)	Data Acquisition Rate:	0.02 sec transfer rate
Minimum Test Speed:	.00004 in/min (.001 mm/min)	Motor & Drive System:	AC Servo Motor
Position Resolution:	.000002 in (.00005 mm)	Dimensions:	W: 25 in, D: 30 in, H: 59 in (W:63.5 cm, D: 76.2 cm, H: 149.86 cm)
Power Requirements:	120-240VAC, 50/60HZ, 5A Single Phase	Weight:	357 lbs (170 kg)
Air Pressure (Min/Max):	90-120 psi (6.2-8.3 bar)	Vertical Test Space:	31.5 in (800mm)