



The universal instrument for tensile, compression, tear, shear, and more.

An industry staple.

The industry's standard.

Alpha's AT10 is the universal instrument specifically designed (way back when) to provide critical testing for rubber and polymers in accordance with ASTM E4 and E83, ISO and other industry standards. And while there are a ton of cheaper tensile testing machines to choose from, this is the one most trusted for accurate, reliable, repeatable data.

Universal means more than just a tensile tester.

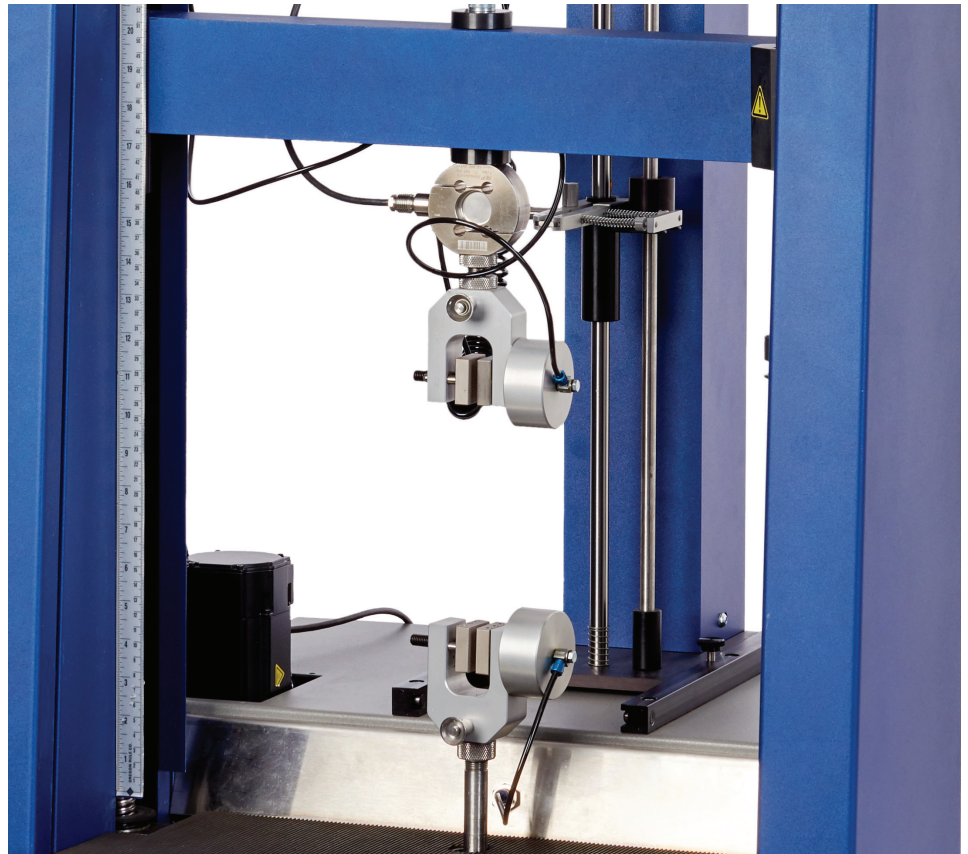
Alpha's AT10 is an easy to use universal tensile tester in a table top model with a maximum load value of 10kN. It allows you to determine the strength of your material under various conditions as well as measure the maximum load a material can withstand. An optional thickness gauge provides additional data points and information about a material under tension.

AT10's portfolio of tests for Quality and R&D labs includes:

- Tensile
- Tear
- Bend
- Peel
- Compression
- Shear
- Friction
- Puncture
- O-ring

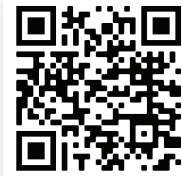
The right tester. The right software to go with it.

The AT10 is a comprehensive computer-controlled testing instrument with a full range of user features, including a data point selector, and custom data point calculator. Alpha's advanced Enterprise software suite allows for easy recalculation of results, for adding additional data points after a test has been run. Data can be stored on the instrument's computer or interface with the Enterprise LIMS platform.



SPECIFICATIONS

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



For more information scan the QR code or visit alpha-technologies.com/instruments/at10-universal/

There's a lot riding
on our testing.™



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