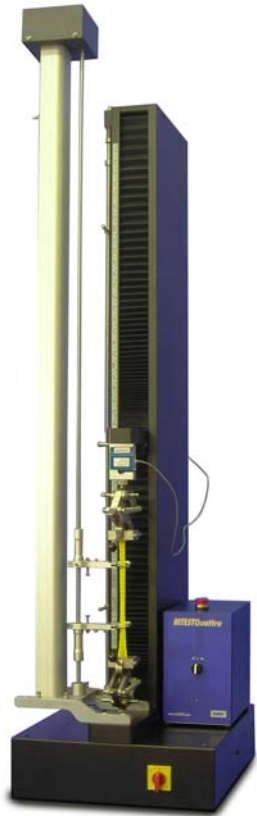


eXpert 760x Universal Testing Machines

Low force single screw electromechanical frames designed for materials and product testing.

The eXpert 760x line of compact table-top universal mini-testers is designed for users who want the flexibility of a full-size system without the high cost or space requirements. From 1KN up to 5KN (225 lbf to 1,125 lbf) capacity, the ADMET single column bench top models provide the flexibility to test biomaterials, wire, textiles, packaging, elastomers, plastics, films, foils and other materials with confidence. Compact in design, units fit within a 16 x 12-inch space while others use just 17 x 20-inches of bench top space.

Equipped with a powerful digital closed-loop controller and display for QC/production applications, the eXpert 760x machines are affordable, and are easy to learn and apply. For more demanding applications, ADMET's popular MTESTQuattro™ Materials Testing System can be provided for greater productivity and testing power.



eXpert 7603 universal testing machine (5kN capacity) with high elongation extensometer.

- 1KN (225 lbf), 2.5KN (500 lbf) and 5KN (1,125 lbf) Capacities.
- The eXpert 760x series machines provide the flexibility for testing high elongation materials at speeds to 1,000 mm/min (40 in/min).
- With a wide selection of grips and fixtures, the eXpert 760x testing machines are capable of performing all of your materials and product tests in tension, compression and flexure.



eXpert 7601 and eXpert 7601 extended frame universal testing machines with 1KN (225 Lb) capacity.



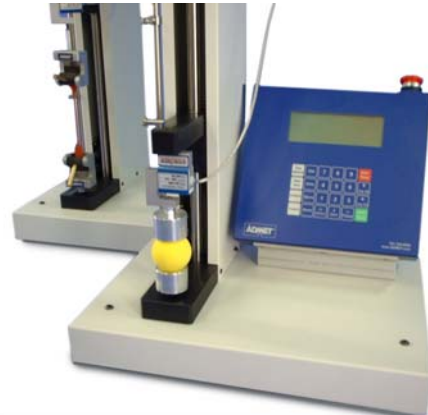
51 Morgan Drive Norwood, MA 02062
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sales@ADMET.com www.ADMET.com

TEST WITH CERTAINTY. TEST WITH ADMET.

eXpert 760x Features:

- Precision ball screw and fast acting servo motor provides controllability at very light loads and rigidity for loads to machine capacity.
- Integral operator station with emergency stop button, manual jog controls, load cell and extensometer connections, digital closed loop control and data acquisition electronics.
- Three fast acting digital controllers are available for accurate and repeatable testing.

The most economical and easy-to-use solution employs the **eP Digital Controller**. The eP is a stand-alone controller that features load and crosshead position inputs, enough memory to store 6 test methods, data analysis for measuring peak load, peak stress, load at extension, extension at load, average load, load at break, extension at break, stiffness and free height. The eP is ideal for product or QC testing and is capable of displaying pass/fail messages after each test based on user specified limits. Results can be uploaded to a PC via the on-board RS-232 serial port for import into test reports, spread sheets or database programs. Raw XY data can also be uploaded for further analysis or for generating load vs. deflection curves. The eP can be programmed to run at a constant rate until the specimen breaks, run to a load and hold for a user specified period of time, or cycle between load or position limits.



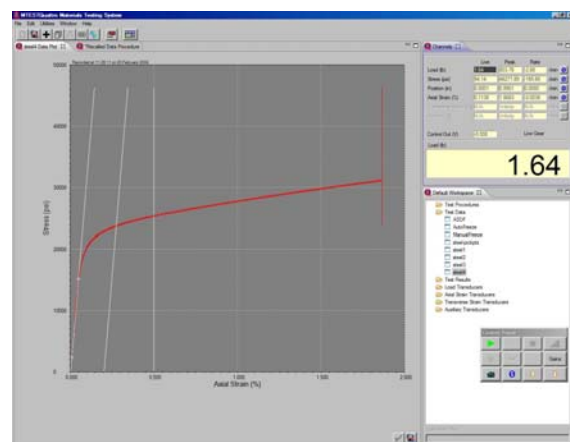
eP Digital Controller



Precise Digital Controller

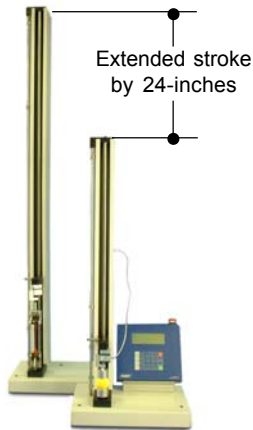
The **Precise Controller** is a stand-alone unit with live graphing capability. The Precise Controller features a keypad, an upper LCD character display for user input and indication, a lower graphical display for viewing stress vs. strain curves plus push-buttons for test start and return to home. The Precise has the ability to perform closed loop load, position or strain controlled tests to sample break or to a user defined setpoint. Test results, including date, time, specimen number, peak load, ultimate tensile strength, offset yield strength, modulus of elasticity, elongation at break, are displayed and can be printed locally or exported to a Windows based computer.

The most powerful and versatile solution features **MTESTQuattro™**, ADMET's popular PC/Windows based materials testing system. Standard with MTESTQuattro™ are load, crosshead position, axial strain, transverse strain and auxiliary input channels. A comprehensive set of monotonic, segmented or cyclic servo control profiles under load, position or strain control is available which provides the capability to perform virtually any type of test. Test reports featuring test and specimen information, results and a stress vs. strain curve can be printed or readied for email. A statistical summary for a group of like tests can also be generated. All results or raw data can be exported to a database or spreadsheet program for further review.

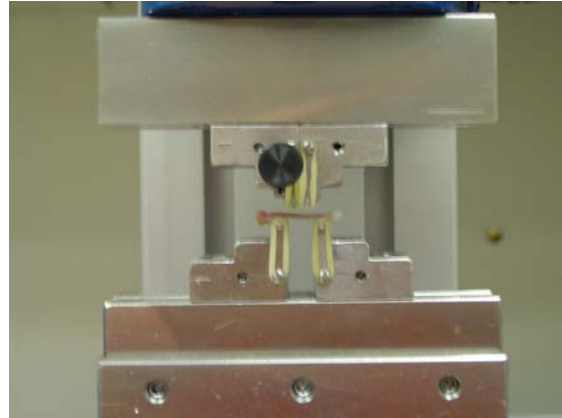


MTESTQuattro™ Live Screen

ADMET Testing Systems - Backed by superior engineering and a willingness to work with the customer to ensure success.



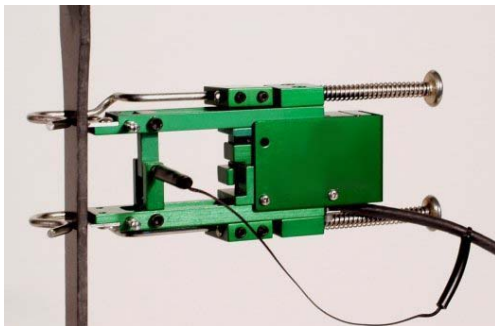
The testing machine stroke was extended by 24-inches for a customer that was performing high elongation tests on rubber.



This leading university was performing 3 point bend tests on animal bones at very low forces with complex, cyclical machine control profiles. Our solution was a testing machine equipped with the MTESTQuattro™ Materials Testing System and a 1 lbf capacity load cell.

Extensometers and strain measuring for metals, plastics or other high elongation materials.

Connect to the Precise Controller or MTESTQuattro™ Materials Testing System and perform tests to standards such as ASTM E-8, E-517 and E-646, D-638, D-790, ISO 6892 and 10275, and EN 10002 Part 1 and 10130.



Grips and fixtures for all your materials and product testing needs.



eXpert 760x Specifications

Model		7601	7602	7603		
		Table Top	Table Top	Table Top		
Load Capacity	lbf	225	500	1,000		
	kN	1	2.5	5		
	kgf	100	250	500		
Maximum Speed	in/min	40	100	50		
	mm/min	1,016	2,540	1,270		
Minimum Speed	in/min	0.0005	0.0002	0.0001		
	mm/min	0.012	0.005	0.0025		
Maximum Force at Full Speed	lbf	175	450	900		
	kN	0.75	2	4		
Position Control Resolution	uin	4.2	24	12		
	um	0.107	0.61	0.308		
Total Crosshead Travel ¹	in	30	41	41		
	mm	762	1,041	1,041		
Total Vertical Test Space ²	in	34	49	49		
	mm	864	1,244	1,244		
Lateral Test Space	in	3.4	3.44	3.44		
	mm	87	87.4	87.4		
Space Between Columns	in	--	--	--		
	mm	--	--	--		
Height	in	40	60	60		
	mm	1,016	1,524	1,524		
Width	in	16	17	17		
	mm	406	432	432		
Depth	in	12	20.5	20.5		
	mm	305	520	520		
Weight	lbf	45	250	250		
	kgf	20.5	114	114		
Maximum Power	VA	100	300	300		
Single Phase Voltage	VAC	100-240	100-240	110,220		
	Hz	50,60	50,60	50,60		

Load Measurement Accuracy: +/- 0.5% of reading down to 1/100 of load cell capacity. Meets or exceeds ASTM E4, BSENISO7500-1 : 2004, DIN 51221 and JIS B7721 standards. ADMET self-identifying load cells are available.

Strain Measurement Accuracy: +/- 0.5% of reading down to 1/50 of full scale with ASTM E83 class B extensometers. Meets or exceeds ASTM E83 and BSENISO9513 : 2002 standards.

Notes:

- 1) Total Crosshead Travel is calculated without load cells, grips and fixtures. Longer strokes can be accommodated by ordering an extended column frame.
- 2) Total Vertical Test Space is the distance from the top surface of the base platen to the bottom surface of the moving crosshead, excluding load cell, grips and fixtures. Larger openings can be accommodated by ordering an extended column frame.