

eXpert 760x Universal Testing Machines

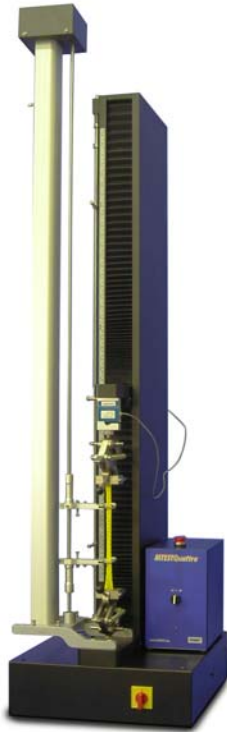
Low force single screw electromechanical frames designed for materials and product testing.

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.

- 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.

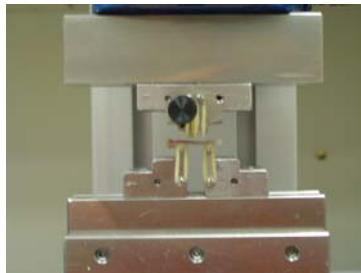


eXpert 7603 5kN UTM with high elongation extensometer

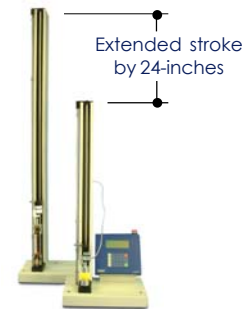


eXpert 7601 1kN UTM

ADMET Testing Systems - Backed by superior engineering and a willingness to tailor a system to meet your testing needs.



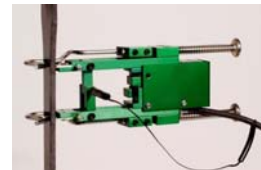
This leading university was performing 3 point bend tests on animal bones at very low forces with complex, cyclical machine control profiles. Our solution was a testing machine equipped with the MTESTQuattro[®] Materials Testing System and a 1 lbf capacity load cell.



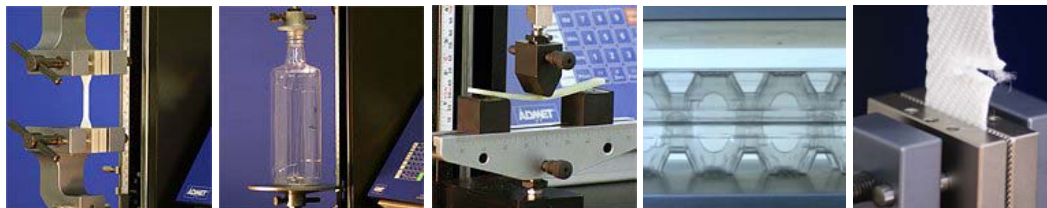
The eXpert 7601 extended height option adds 24-inches for high elongation materials

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

Connect to the Precise Controller or the MTESTQuattro[®] Materials Testing System and perform tests to standards such as ASTM E8, E517 and E646, D412, D638, D790, D882, ISO 6892 and 10275, and EN 10002 Part 1 and 10130.



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



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Test with Certainty. Test with ADMET.



eXpert 760x Specifications

Model		7601 Table Top	7602 Table Top	7603 Table Top		
Load Capacity	lbf kN kgf	225 1 100	500 2.5 250	1,000 5 500		
Maximum Speed	in/min mm/min	40 1,016	100 2,540	50 1,270		
Minimum Speed	in/min mm/min	0.0005 0.012	0.0002 0.005	0.0001 0.0025		
Maximum Force at Full Speed	lbf kN	175 0.75	450 2	900 4		
Position Control Resolution	uin um	4.2 0.107	24 0.61	12 0.308		
Total Crosshead Travel ¹	in mm	29 813	41 1,041	41 1,041		
Total Vertical Test Space ²	in mm	32 864	49 1,244	49 1,244		
Lateral Test Space	in mm	3.4 87	3.44 87.4	3.44 87.4		
Space Between Columns	in mm	-- --	-- --	-- --		
Height	in mm	40 1,016	60 1,524	60 1,524		
Width	in mm	16 406	17 432	17 432		
Depth	in mm	12 305	20.5 520	20.5 520		
Weight	lbf kgf	45 20.5	250 114	250 114		
Maximum Power	VA	100	300	300		
Single Phase Voltage	VAC Hz	100-240 50,60	100-240 50,60	110,220 50,60		

Notes:

- Total Crosshead Travel is calculated without load cells, grips and fixtures. Longer strokes can be accommodated by ordering an extended column frame. Typical load cell and grips consume 10 in.
- 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.

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.

Training and Service - ADMET testing systems are easy to learn and use. Our software is intuitive and effective. We provide 2 hours of free on line training and if you desire, we will provide additional on-site training. In addition, our manuals, tutorials, and trouble shooting guides are an excellent resource that we update regularly. We also offer free phone, email and product support over the internet for the life of the product. This is in contrast to many of our competitors who require that you pay for training before you are even eligible for phone and email support. ADMET's on-site service and calibration team includes over 100 individuals in over 40 locations in the USA.

Calibration- Customers who wish to mainstream calibration in their laboratories or production plants can setup calibration contracts with ADMET. These contracts offer automatic calibration services based upon each customer's required calibration interval. This automation reduces paperwork, scheduling problems and leaves you in a better frame of mind when it comes to knowing that your calibration needs will always be met. You will never have to worry about equipment that may have been overlooked for calibration, especially during an audit. All services are A2LA accredited and meet the ISO/IEC Guide 17025 and ANSI/NCSL Z540-Requirements.