eXpert 7600 Series

Universal Testing Systems

eXpert 7600 Series

Universal Testing Systems

Efficiency, Flexibility and Performance

A Single Column Universal Testing Machines for users who want the flexibility and reliability of a full-size system without the high cost or space requirements.

ADMET

eXpert 7600 Series

Universal Testing Systems

Efficiency, Flexibility and Performance

The eXpert 7600 series machines are capable of performing a variety of mechanical tests in an affordable and compact package. Efficient in design, units fit within a 16 x 12 inch space while holding a force capacity of up to 5kN.

- Test adhesives, biomaterials, elastomers, films, packaging, plastics, wires, textiles, and other materials with confidence
- Test high elongation materials at speeds up to 2,540 mm/min (100 in/min). An extended height option adds an additional 24 inches of elongation
- Class-leading vertical test space configuration available

Force Capacity

5 kN

1,125 lbf

Speeds Up to

2,540 mm/min

100 in/min

Compact Base

41 x 30 cm

16 x 12 in

Vertical Test Space Up to

1,549 mm

61 in

ADMET

eXpert 7600 Series

Universal Testing Systems

Efficiency, Flexibility and Performance

Customizable

Backed by superior engineering and a willingness to tailor a system to your testing needs.

- Taller, shorter, wider, faster, slower: Our engineering group will configure a design to meet your specifications.
- A second actuator can also be added for performing biaxial tests.

Trusted

Expertly designed, engineered and supported for life.

- Exceeds all ASTM/ISO accuracy requirements
- Fastest in the industry, an 8 kHz servo loop rate ensures accurate, repeatable, and reliable testing
- All testing systems are supported for life and made in the USA

Test with Certainty.

ADMET

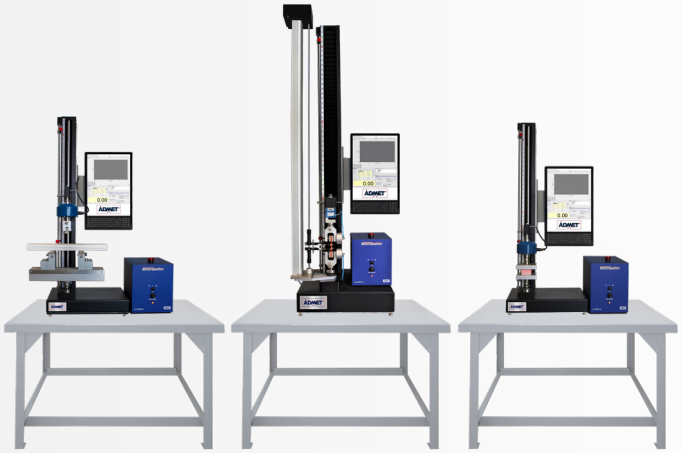
eXpert 7600 Series

Universal Testing Systems

Efficiency, Flexibility and Performance

System Specifications

Model		7601 Table Top	7601 XLT Table Top	7602 Table Top	7602 XLT Table Top	7603 Table Top
Load Capacity	lbf kN kgf	225 1 102	225 1 102	562 2.5 255	562 2.5 255	1,125 5 510
Maximum Speed	in/min mm/min	40 1,016	40 1,016	100 2,540	100 2,540	50 1,270
Minimum Speed	in/min mm/min	0.0005 0.012	0.0005 0.012	0.0002 0.005	0.0002 0.005	0.0001 0.0025
Maximum Force at Full Speed	lbf kN	175 0.75	175 0.75	450 2	450 2	900 4
Position Control Resolution	µin µm	4.2 0.107	4.2 0.107	24 0.61	24 0.61	12 0.308
Total Crosshead Travel[1]	in mm	29 735	53 1,345	41 1,041	54 1,372	41 1,041
Total Vertical Test Space[2]	in mm	32 813	56 1,422	48 1,219	61 1,549	48 1,219
Lateral Test Space	in mm	3.5 89	3.5 89	3.4 86	3.4 86	3.4 86
Height	in mm	41 1,041	65 1,651	58.5 1,486	72 1,829	58.5 1,486
Width (Frame Only)	in mm	16 406	16 406	19 483	19 483	19 483
Depth	in mm	12 305	12 305	21 533	21 533	21 533
Weight (est.)	lbf kgf	50 23	65 30	250 114	250 114	250 114
Maximum Power	VA	100	100	300	300	300
Single Phase Voltage	VAC Hz	100-240 50,60	100-240 50,60	100-240 50,60	100-240 50,60	110-220 50,60



Load Measurement Accuracy: +/- 0.5% of reading down to 1/100 of load cell capacity. Meets or exceeds ASTM E4, BSENIS 7500-1: 2004, DIN 51221 and JIS B7721 standards. Optional extended range calibrations are available. ADMET self-identifying load cells are offered with all systems.

Crosshead Measurement Accuracy: Better than +/-0.5% of reading. Exceeds ASTM E2309.

Crosshead Speed Accuracy (Zero or constant load): Better than ±0.5% of set speed. Exceeds ASTM E2658.

Strain Measurement Accuracy: Meets or exceeds ASTM E83, ISO 9513, and EN 10002-4.

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.

Test with ADMET.

ADMET

eXpert 7600 Series

Universal Testing Systems

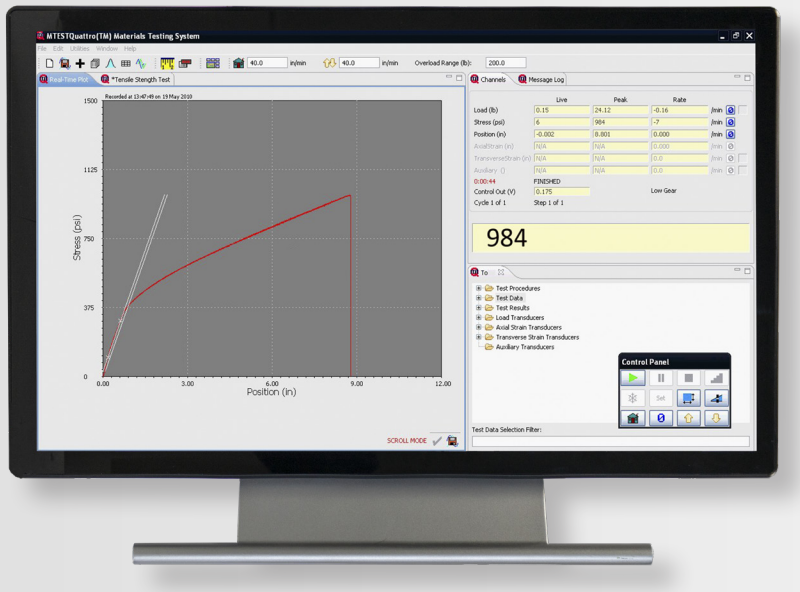
Efficiency, Flexibility and Performance

Controls and Software

All ADMET Testing Machines can be equipped with one of two closed loop servo controllers.

- MTESTQuattro®, our most advanced testing system, is a PC-based unit that offers a wide range of flexibility in control, data acquisition, analysis, and reporting. Featuring 8 kHz servo update periods and programmable log rates to 1 kHz.

- The eP2 Digital Controller, a standalone touch panel unit, offers a balance between performance and simplicity. Featuring 8 kHz servo update periods and programmable log rates to 1 kHz.



Servo Update Frequency

8 kHz

Programmable Log Rate

1 kHz

Controller	MTESTQuattro®	eP2 Digital Controller
Interface	PC Software	Touch Panel
Analysis	Extensive calculations library w/ built-in ASTM/ISO specification analysis.	Standard calculation package for basic testing requirements and QC testing.
Test Procedures	Use built-in or create an unlimited number of simple to complex procedures.	Save up to six test procedures in eP2.
Reporting	Store and organize all data. View and print user customizable test reports with chart and tables.	Post test, view current results on eP2 screen and send data to PC for reporting using optional GaugeSafe software.

ADMET

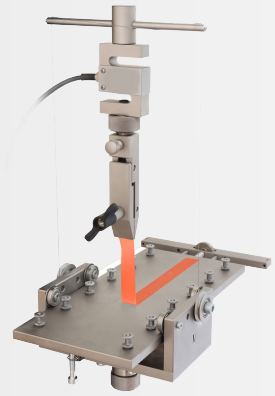
eXpert 7600 Series

Universal Testing Systems

Efficiency, Flexibility and Performance

Accessories

- Systems can be equipped with a variety of grips, fixtures, environmental chambers and temperature controlled baths to accommodate a wide range of testing requirements.
- For more accurate strain measurements, extensometers or deflectometers can be added to ADMET testing System.



90 ° Peel Fixutre

Puncture Fixutre

Manual Vise Grip

Eccentric Roller Grip

Compression Platens

Bend Fixture

Service and Calibration

Training and Service - ADMET testing systems are easy to learn and use. We provide both introductory on-line and on-site training. Our manuals, tutorials, and trouble shooting guides are updated regularly. We provide free phone and email product support through the life of the system.

Calibration - Customers can setup calibration contracts with ADMET. All services are ISO 17025 Accredited.

ADMET