



SINGLE COLUMN UNIVERSAL TESTING MACHINE TENSI-10

Single Column Universal Testing Machine Tensi-10, with a capacity of up to 10kN and available in four different heights, is a high-performance yet cost-effective UTM. It offers closed-loop testing of force, displacement, or deformation in tension, compression, flexure, shear, tear, and peel strength. The Tensi-10 comes standard with a German DOLI Controller and can be equipped with a variety of accessories, including grips, fixtures, compression frames, thermal cabinets, and extensometers.

These accessories cover all relevant applications, such as testing rubber, plastics, foils, films, textiles, adhesives, paper, foods, foams, wires, and other metallic or non-metallic specimens, as well as medical, electronic, and other components. The load frames are rigidly constructed, providing superior axial and lateral stiffness.

FEATURES

Multi-functions:

The machine can perform tension, compression, bend, flexure, and shear testing in accordance with the requirements of ISO, ASTM, DIN, GB, NF, EN, and many other national testing methods. It features an interchangeable fixture design to meet the needs of different specimen materials and test types.

Extensive Accessories:

A wide range of accessories is available to meet test requirements in almost any application or industry, including plastics, metals, biomedical, composites, elastomers, components, automotive, aerospace, textiles, and more.

Large Test Space:

The double-acting crossbeam quickly accommodates specimens of varying lengths. With additional column length, the maximum testing space is adjustable to accommodate extra-long specimens. The machine uses a high-accuracy load cell with strong anti-side force and high measurement accuracy, ensuring long-term stability.

High Stiffness Frame:

Preloaded ball screws, precision guidance columns, and a symmetrical drive system enhance frame stiffness and alignment.

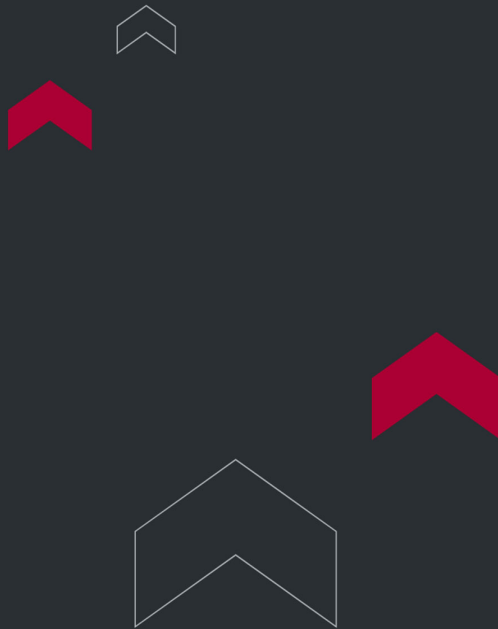
Over-Travel Limits:

Dual over-travel limits, located on the front console, help prevent crosshead overshooting and sensor damage.

TECHNICAL SPECIFICATIONS

Model	XS	S	M	L
Load Capacity	0.1kN to 10kN upon request			
Load Measuring Accuracy	±0.5% @ (0.04% to 100% load capacity)			
Overload Capacity	150%			
Test Stroke Without Accessories	435mm	650mm	900mm	1180mm
Approx. Stroke with Accessories	120mm	350mm	450mm	700mm
Depth	100mm			
Moving Speed	0.0005mm/min to 2000mm/min			

Stroke Resolution	0.0001mm			
Interface to PC	Ethernet / USB			
Voltage	Single Phase 220Vac, 50Hz/60Hz or Upon request (110V is also available)			
CE Conformity	Yes, according to Machinery Directive 2006/42/EC			
Weight	65kg	68kg	70kg	75kg
Note: Specifications subject to changes without notice				



Torontech Inc.

251 Consumers Road, Suite 1200
Toronto, Ontario, M2J 4R3, Canada 

Phone: +1 416 368 2721 | Fax: +1 416 981 7652
Email: info@torontech.com

Torontech, LLC

601 Brickell Key Drive, Suite 700
Miami, FL 33131, USA 

Toll-Free: 1-866-383-7919
Email: sales@torontech.com

Torontech ME FZE

Meydan Grandstand, 6th Floor,
Meydan Road, Nad Al Sheba,
Dubai-261440, UAE 

Phone: +971 488 19252
Email: me@torontech.com

