

Universal Testing Machine (EDC-SM-151)

EXPERIMENTAL DATA:

- With all accessories:
 - Tensile test.
 - Compression test
 - Hardness test.
 - Bending test.
 - Shear test
 - Spring test.



DESCRIPTION:

A universal testing machine (UTM), also known as a universal tester, materials testing machine or materials test frame, is used to test the tensile strength and compressive strength of materials. An earlier name for a tensile testing machine is a tensometer. The "universal" part of the name reflects that it can perform many standard tensile and compression tests on materials, components, and structures.

Apparatus also available in 50kN, 250kN, 500kN and 1000kN. According to test load size of apparatus may change.

SPECIFICATIONS:

- Based on industrial standards, hydraulic operated trainer or material testing.
- Tensile and compression forces generation.
- Displacement measurement.
- Computer controlled.
- EDIDAC software.
- Wide range of accessories available.

DIMENSIONS AND WEIGHT:

- L x W x H (mm): 1200 X 850 X 2400 approx.
- Weight: 2200 kg approx.

SCOPE OF DELIVERY:

- 1 x EDC-SM-151.
- 1 x Instructional Manual.

TECHNICAL DATA:

- Operating area: 300 X 300mm.
- Hydraulic generation of test load:
 - Test Load: 0 to 100kN.
 - System pressure: 350 bar max.
 - Piston stroke: 250mm.
 - Traverse velocity: 0-425mm/min.
- Gear Pump.
- 230V, 50Hz, 1 phase.

