



S150-50K COMPRESSION TESTING MACHINE Capacity 50 kN (11240 lbf)

Electromechanical compression testing machine, single hollow test, developed for the measurement of mechanical strength of the materials under load. Depending on the needs and the types of materials, it can perform testing of compression, bending, breaking tests, bend, force limit, deformation limit, etc., According to the most common international standards ISO, ASTM, EN and UNI.

The structure is a sturdy frame in two columns in part threaded with the upper fixed crosshead adjustable in height and with the moving lower crosshead driven by pre-loaded ball screw with zero backlash to ensure the accuracy of motion. The machine is controlled electronically with digital display **LBG UDI24pro** with 24-bit microprocessor, LCD COLOR TOUCH SCREEN with dimensions 320x240 pixels and 4 function keys on the membrane. The machine can also be used via the PC with the software application LBG EASY TEST under MS® Windows 7, in all phases of test execution with the visualization of real-time graphs and data storage on a PC.

The supply included :

- Cell Force 50kN tension / compression
- USB cable for PC connection
- User ' education
- ACCREDIA Certificate of calibration
- Software LBG EASY TEST
- LBG TERMINAL Software for data transfer to the PC



The accessories to effect all the tests have to be ordered separately.

TECHNICAL CHARACTERISTICS :

50 kN 0.001kN	Load Capacity Resolution	11240 lbf 0.1 lbf
0.5	Class ISO 7500-1 (dal 2% al 100% f.s.)	0.5
50 mm/min 0.1 mm/min	Maximun Speed Minimun Speed	1.97 in./mm 0.004 in./mm
50 mm/min	Return Speed	1.97 in./mm
50 kN/mm	Stiffness frame	285507 lbf/in.
65 mm	Maximun Crosshead	2.6 in.
190 mm	Maximum height test vain	7.5 in.
350 mm	Column Spacing	13.78 in.
156 kg	Weight	344 lb
500 x 380 x 910 mm	Dimensions width x depth x height	19.7 x 15.0 x 35.8 in.
+ 10 °C / + 35 °C	Operating Temperature	+ 50 °F / + 90°F
10 % / 80 %	Relative Umidity	
240V 1ph 50Hz + T	Power Supply*	
400 VA	Max Power Absorbed	

* On request POWER SUPPLY : 115V 1ph 60Hz +T

STANDARD ACCESSORIES :

	<p>S150-A100 UPPER COMPRESSION PLATE Consist of one upper plate spherically seated compression self-aligning Ø 116 mm (3.94 in.). Steel made 58HRC.</p>
	<p>S150-A101 EQUIPMENT FOR BENDING TESTS / BEND - Capacity 50kN Device for bending tests and 3-point bending. Distance between supports adjustable from 30 to 250 mm. (with inverted supports up to 330 mm) Set of diameter rollers 10, 20, 30 mm</p>
	<p>S150-A102 SAFETY PROTECTION Polycarbonate transparent protection, with the front door and opening to the sides and rear fixed. Complete security system and electromagnetic safety switch.</p>

OTHER ACCESSORIES ARE AVAILABLE ON REQUEST