

TM 115B UNIVERSAL TESTING MACHINE, 50 kN., Ball Screw

GENERAL DESCRIPTION

This is a bench top educational machine for tension, compression, bending, shear and Brinell hardness tests of materials.

The machine has four columns in two planes. Load application is by a hand operated ball screw with measuring instruments for load and deflection.

Test accessories and specimens are available as optional items.

Instruction manual is also included.



EXPERIMENT CAPABILITIES

- Tension
- Compression
- Bending
- Deep draw
- Shear
- Brinell hardness
- Spring compression

TECHNICAL DATA

- Capacity : 50 kN
- Maximum crosshead travel : 50 mm
- Measuring instruments
 - Load : Force digital display
 - Extension : Dial indicator 0-20 mm x 0.01 mm. graduation with magnetic holder
- Software for data display and analysis by computer (separately supplied).
- Power supply (optional version) : 220V, 1 Ph, 50 Hz. Other power supply is available on request.

OPTIONAL ACCESSORIES AND SPECIMENS

- TM 010A Displacement digital display instead dial indicator.
- TM 113-011 Compression plates with sample springs.
- TM 113-012 Bending test accessories.
- TM 113-014 Accessories for Brinell hardness test.
- TM 113-020A Force gauge instead of force digital display.
- TM 115-010 Screw chucks for tension test.
- TM 115-011C Compression plates for compression test of non-ferrous materials.
- TM 115-013 Shear test accessories.
- TM 115-015 Deep draw test accessories.
- TM 113-005B Brinell test specimen.
- TM 115-005C Compression test specimen.
- TM 115-005D Deep draw test specimen.
- TM 115-005S Shear test specimen.
- TM 115-005T Tension test specimen.
- TM 113-050 Computer Interface

This includes digital indicator instead of dial indicator and computer interface unit.

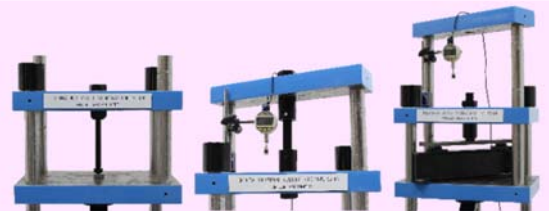
- Other optional equipment, please contact manufacturer (essom@essom.com)



TM115-010

TM113-011

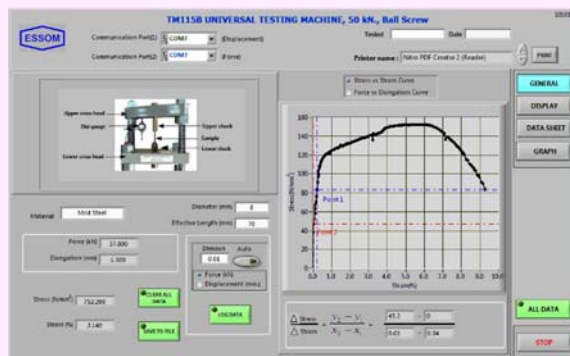
TM113-011C



TM113-014

TM115-013

TM113-012



Net (unpacked) shipping dimensions WxLxH
Net weight

: 40 x 44 x 129 cm
: Approx. 282.5 kg

