



**TT-1100 Tensile Tester**

The ChemInstruments TT-1100 Tensile Tester is a versatile instrument designed to test a variety of materials. This single screw universal tester offers a wide range of testing capabilities, including: tensile, elongation, modulus, lap shear, peel (180° and 90°), unwind and tack. It is designed to meet the test method requirements of: PSTC; ASTM, TLMI and more.

- The two line LCD displays the average, high and low values.
- Separation speed: 0.5 to 25 ipm (1.3 to 64 cpm).
- Load cell choices (listed below) are accurate to  $\pm 0.1\%$  of their rating.
- Pull strength: 250 lb. (110 Kg) maximum.
- Maximum testing span is 32" (82 cm) minus the length of the grips.
- Throat distance from center of grip to mast is 3.5" (8.9 cm).
- Choose from a number of grips (not included with Tensile Tester)
- Operating temperature 32° - 158° F ( 0° - 70° C)

**Warning! Equipment needs to be completely free of condensation inside and out, before applying power!**

#### **Dimensions (approx.)**

Height: 48" (122cm)  
 Width: 13" (33cm)  
 Depth: 16" (41cm)  
 Weight: 54 lbs. (24.5 Kg)

#### **Options:**

EZ-Lab system software, 90 ° Peel fixture, Unwind fixture, Loop Tack fixture, Quick Stick fixture, Grips ,Load cell sizes: 2lb (1 Kg) 5 lb (2.3 Kg), 10 lb. (4.5 Kg), 25 lb (11.3 Kg), 50 lb (22.7 Kg), 100 lb (45.4 Kg), & 200 lb (90.7 Kg).

#### **Data Acquisition System**

The ChemInstruments EZ-100 onboard acquisition system is a state-of-the-art force measurement package that combines accuracy with ease of use.

- Samples force measurement at 400 points per second.
- Stores test data from up to 20 individual tests for review
- With optional EZ-Lab system software, Tensile Tester transfers test data and parameters to your connected PC.
- Displayed test values are selectable in grams, kilograms, ounces, pounds or Newtons.

#### **EZ-Lab Compatible:**

Enhanced operation control and data collection are possible when coupled with the EZ- Lab System. Requires a PC and optional EZ-Lab software. See EZ-Lab system product sheet.

EZ-Lab enhanced Tensile Tester capabilities:

- Compression mode
- Cycle mode
- Loop Tack test sequence
- Graphed test results
- Statistical analysis of test data