

ATI

ADVANCED TESTING INSTRUMENTS



TESTING INSTRUMENTS
FOR FABRICS & GARMENTS
**TF001 TEXTILE
TENSILE TESTING
MACHINE**

TF001 TEXTILE TENSILE TESTING MACHINE

Textile Tensile Testing Machine is designed to test a wide range of tension, bursting, tear, elongation, constant load, elastic, thread slip, peeling and other mechanical properties.

A PC-controlled machine equipped with motor and quality ball-screw for ideal and smooth control. The machine talks directly with a PC running a data analysis software package in English or Chinese, via a high-speed RS232.

Equipped with a quality load-cell with an accuracy of 0.2% of the applied load value, from 1% to 100% of the load-cell capacity.

The machine has a huge assortment of specimen grips and fixtures available, allowing the wide range of test methods. Automatic pneumatic fixtures / clamps are offered.

Note: A customized PC is needed for this instrument.

SPECIFICATIONS

- Windows based software operated and closed-loop controller controls. AC servo motor drives quality Ball-screw
- High speed RS232 connects computer and machine, controlled by a special Textile Tensile Testing Software. All test methods which customer requires can be programmed before shipping
- Test capacity: 2500 N
- Load measurement accuracy: +/-2% (1% ~ 100%FS)
- Resolution of load: 0.1 N
- Displacement resolution and accuracy: 0.01 mm
- Speed range and accuracy: 0.1 ~ 500 mm/min, error 2%
- Sample holder: pneumatic clamping
- Built-in intelligent active force and displacement alarm system
- High-resolution digital closed-loop controller
- Operating temperature range: 0 to 38°C
- Storage temperature range: -10 to 45°C
- Humidity range: 10% to 90% non-condensing, web bulb method
- Power must be free of sparks and surges exceeding 10% of the nominal volt

STANDARDS: ISO 13934.1/2, ISO 13935.1/2, ASTM D5034 / 5035

POWER: 220 / 110 V 50 / 60 Hz

WEIGHT: 110 kg

DIMENSIONS: 680 x 580 x 1650 mm (L x W x H)

