GESTER®
TOTAL TESTING SOLUTION

Single Yarn Strength Tester GT-A01

Application:

Single Yarn Strength Tester is used to determine the breaking strength and elongation, determine the breaking load and extension, of single yarns upto 5000 centi-grams force. Electronically operated with mechanical action, provided with scales 0-500cg force and 0-5000cg force, extension scale graduated in mm and percentage of standard test length (500mm).

Features:

Dynamic Data Sampling Frequency is More than 800HZ, ease to catch peak value, most precisely indicate property of textile material.

Sharp blue LCD Panel, the operator simply selects the required test module and test standard;

A graphical icon on each button clearly illustrates its current function. This greatly simplifies the screen by only showing commands relevant to the current task.

Use Misbishi 16bit MCU, Misbishi 16bit A/D converter, more excellent anti-jamming, more rapid data transfer.

Clock auto generating, and be visual consistently.

Real time display of on-going test data (Like mean square value,average,max,min,etc).

Able to preset tensile force.

Force unit:N,Kgf,1b,in,cN can be switched freely.

Report, diagram are handled by computer and print out from printer.

Calibration file to calibrate the unit and indicate with figure.

Operator can use LCD control panel to operate the unit and print testing data without PC(bidirectional controlling).

Data can be sent to excel and analysed by computer.

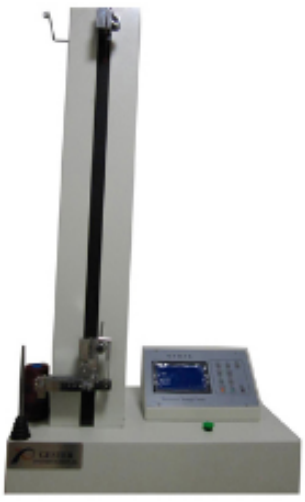
Overlay display of data curve possible.

Standards:

ISO2062, ASTM D2256, GB/T14344, GB/T3916

Dimensions of yarn strength tester

External Dimension:
670*450*1200 mm(L*W*H)
Package Dimension:
720*470*1350 mm(L*W*H)
Gross Weight:
80KG
Net Weight:
60KG



Key Specifications of yarn strength tester

Model	GT-A01
Load Range	0-5000cN

Load Resolution	1/5000
Load Accuracy	≤+/-0.05%F·S
Frequency of data sampling	≥800Hz
Speed Range	10-1200mm/min
Elongation Resolution	0.01mm
Max Vertical test space	900mm
Available Lenth of sample	0-500mm
Presetting Force	0-150cN
DATA Memory	≥4000 tests