GT-B01
Electronic Single Fiber Strength Tester

Application

Single Fibre Strength Tester. To determine the breaking load and extension of single fibre upto 500 centi-grams force. Electronically operated with mechanical action, provided with scales 0-500cg force, extension scale graduated in mm and percentage of standard test length (100mm).

Features

❖ Dynamic Data Sampling Frequency is More than 200HZ, 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.

❖ Manually Positioning system with stepper motor and screw rod support;

❖ 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

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Key Specification

Model	GT- B01
Load Range	500cN
Load Resolution	1/50000
Load Accuracy	≤+/-0.05%F.S
Accuracy	1%-100% Capacity of Load Cell +/-0.5% 0.5%-1% Capacity of Load Cell +/-01.0%
Frequency of data sampling	≥200Hz
Speed Range	2-200mm/min
Return Speed	2-200mm/min
Elongation Resolution	0.1mm
Max Vertical test space	100mm
Available Lenth of sample	0-100mm
Presetting Force	0-150cN
Dimensions	370 x 300 x 550mm（LxWxH）
Weight:	55kg
Standards	ISO5079 ISO11566 GB/T997 GB/T14337 DIN 53816

Standard Config

Model	GT-B01A-1	GT-B01A-2	GT-B01B -1	GT-B01B -2
LCD display	√	√	√	√
Printer port	√	√	√	√
Manual clamp	√	√		
Computer control		√		√
Printer TM-300K		√	√	√
Software for linking to PC		√	√	√
Dynamoelectric clamp one set			√	√