



## YG001E/005E Electronic Single Fiber Strength Tester



**Application:** YG001E/005E Electronic Single Fiber Strength Tester is used to determine the breaking strength, elongation at break, initial modulus, load at specified elongation, elongation at a specified load, creep and other tensile properties of a single textile fiber, such as natural fibers, chemical fibers, man-made fibers and etc.

**Related Standards:** ISO 5079, ISO 11566, ASTM D3822, BS 4029, etc.

### Parameters

Model No.	YG001E	YG005E
Clamping method	Manual	Electric
Force range	200cN	
Force accuracy	±0.5%	
Force resolution	0.01cN	
Gauge length	10~60mm, digitally preset	
Max. extension	150mm	
Extension resolution	0.05mm	
Tensile speed	2~100mm/min	

## YG367 Fully-automatic Draw Force Tester for Filament



**Application:** YG367 Fully-automatic Draw Force Tester for Filament is used for stress determination of POY filament after heating and drawing.

### Parameters

Load range	0~500cN
Min. display value	0.01cN
Load accuracy	≤±0.5%
Extension accuracy	0.01mm
Tensile speed	(10~400)mm/min, adjustable
Speed error	≤±1%
Pretension range	(0.0~40.0)cN
Test temperature	RT~300°C
Power supply	AC220V 50Hz

## YG021J Portable Electronic Single Yarn Strength Tester



### Parameters

Load cell	3000cN
Force measuring accuracy	≤±1%
Gauge length	500mm
Test speed	500mm/min
Test times	2~100
Linear density of applicable yarn	1~599.9text, randomly settable
Output of test result	LED or printed by miniprinter
Power supply	AC220V 50Hz

**Application:** YG021J Portable Electronic Single Yarn Strength Tester is used to determine the breaking force and elongation at break of single yarn.

**Related Standards:** ISO 2062, ASTM D2256, BS 1932 Part 2, DIN 53842.1, DIN 53835.2, KS K0409, etc.

## YG021D Electronic Single Yarn Strength Tester



**Application:** YG021D Electronic Single Yarn Strength Tester is used to determine the breaking force and elongation at break of single yarn.

**Related Standards:** ISO 2062, ASTM D2256, BS 1932 Part.2, DIN 53842.1, DIN 53835.2, KS K0409, etc.

### Parameters

Load cell & resolution	5000cN±0.5%, 1.0cN 12000cN±0.5%, 1.0cN 500N±0.5%, 0.1N
Gauge length	50~500mm, digitally preset
Max extension	750mm
Displacement accuracy	0.1mm
Test speed	50~1000mm/min, digitally preset
Power supply	AC220V 50Hz

## YG029B Automatic Single Yarn Strength Tester (desktop)



**Application:** YG029B Automatic Single Yarn Strength Tester (desktop) is suitable for determining the breaking load and extension of single yarn. It is automatically operated with pneumatic/magnetic clamp. It has a higher stability, accuracy, reliability, enhanced intelligence, integration, etc.

**Related Standards:** ISO 2062, ASTM D2256, etc

### Parameters

Load cell	3000cN
Resolution	0.1cN
Max error	±1% indicating value
Speed	15~5000mm/min, adjustable
Error of speed	≤±2%
Gauge	500±1mm
Max elongation	250mm
Error of elongation	≤0.5mm
Pre-tension	0~100cN
Number of yarn once load	1~20 tubes
Power supply	220V, 50Hz

## YG023B Fully Automatic Electronic Single Yarn Strength Tester



**Application:** YG023B Fully Automatic Electronic Single Yarn Strength Tester is used to determine the breaking force and elongation at break of single yarn.

**Related Standards:** ISO 2062, ASTM D2256, etc.

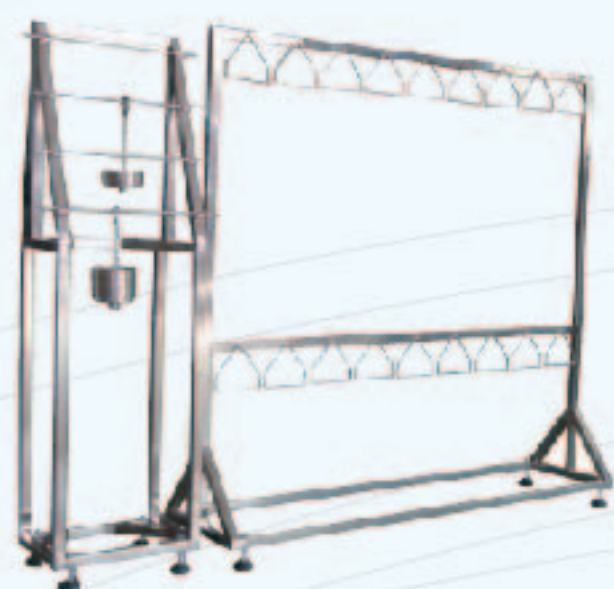
### Parameters

Load cell	5000cN
Force measuring accuracy	≤±1% for 2%~100% of load cell ≤±2% for 0.5%~1% of load cell
Test speed & return speed	100~10000mm/min
Displacement resolution	0.1mm
Max. travel of crosshead	300mm
Pretension	0~500cN
Power supply	AC220V 50Hz





## YG026A Knitted Fabric Stretch Tester



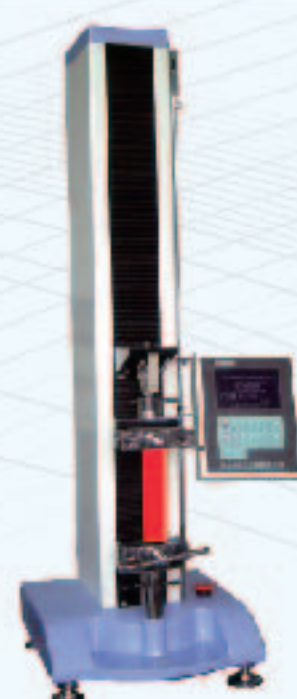
**Application:** YG026A Knitted Fabric Stretch Tester is specially designed to test the fabric stretch and fabric growth of knitted fabrics intended for applications requiring low-power stretch properties, such as swimwear, sportswear, anchored slacks and other form-fitting apparel.

**Related Standards:** ASTM D2594, etc.

### Parameters

Working positions for fabric growth	9
Working positions for fabric stretch	4
Hanger width	140mm
Load weights	5lb, 10lb

## YG026T Electronic Strength Tester



**Application:** YG026T Electronic Strength Tester is used to determine the tensile strength and elongation of lea yarn (Hank) or fabrics.

**Related Standards:** GB/T 3917.1, GB/T 3917.2, GB/T 3917.3, GB/T 3923.1, ISO 13937, ASMT D5035, JIS L1096, etc.

### Parameters

Load cell	1000N, 2500N or 5000N
Force error	≤0.5%
Gauge length	25~500mm, adjustable
Max. extension	800mm (when gauge length is 100mm)
Test speed	2~1200mm/min
Power supply	AC220V 50Hz

## YG026M Multi-functional Electronic Strength Testing Machine



**Application:** YG026M Multi-functional Electronic Strength Testing Machine is designed for a wide range of applications, such as tensile test, grab test, tear test, peel test, ball burst test, seam slippage and so on. It is applicable to fabrics, apparels and nonwovens.

**Related Standards:** ISO 2062, 5082, 9073.4, 10321, 13919, BS EN ISO 4606, 13934-1, 13934-2, 13937-2, 13937-3, 13937-4, 13935-1, 13935-2, ASTM D434, D558, D2256, D2261, D2731, D3936, D4533, D4964, D5034, D5035, D5735, BS 3320, 4303, etc.

### Parameters

Load cell	1000N, 2000N, 3000N, 5000N or 10000N
Load cell accuracy	grade 0.05
Accuracy of measuring force	≤±0.5% for 2%~100%F.S. ≤±1.0% for 0.5%~1%F.S.
Test speed & return speed	10~1000mm/min
Max. travel of crosshead	800mm
Displacement resolution	0.01mm
Gauge length	25~500mm
Effective width	390mm
Power supply	220V 50Hz

## FY3600+ Water-cooled Weather Conditions Meter



### Parameters

Irradiance source		4500W Water-cooled Long Xenon Arc Lamp
Irradiance range		(35~150)±1W/m² @300~400nm (300~1500)±20W/m² @290~800nm Other optional wavelengths of 340nm and 420nm
Rack rotating speed		1~4rpm, adjustable
Chamber temperature range		25°C~75°C
BPT		40°C~110°C±2°C
BST		40°C~120°C±1°C
Humidity	Light cycle	10%RH~85%RH ±5%RH
	Dark cycle	25%RH~90%RH ±5%RH
Power supply		AC380V 50Hz

**Application:** FY3600+ Water-cooled Weather Conditions Meter is used to determine the color fastness and aging to sunlight, weather resistance, compound color fastness to sunlight-sweat of colored textile, leather, leatheroid, plastic and so on.

**Related Standards:** ISO 105-B02, ISO 105-B04, ISO 105-B06, ISO 4892-2, ISO 11341, AATCC 16/169, ASTM G155-1/G155-4, JIS L0843, GMW3414, IEC 60068-2-5, etc.

## YG611M Air-cooled Weather Conditions Meter



### Parameters

Irradiation source	3000W Air-cooled Long Xenon Arc Lamp
Irradiance range	(35~55)±1W/ m²@300~400nm(wide bandwidth) (0.550~1.300)±0.02W/ m²@420nm(narrow bandwidth)
Rack rotating speed	5rpm
Chamber temperature	25°C~50°C±2°C
BPT	40°C~80°C±2°C
BST	40°C~85°C±1°C
Humidity range	25%RH~85%RH±5%
Power supply	AC220V 50Hz

**Application:** YG611M Air-cooled Weather Conditions Meter is used to determine the color fastness and aging to sunlight, weather resistance, compound color fastness to sunlight-perspiration of colored textile, leather, leatheroid, plastic and so on.

**Related Standards:** ISO 105-B02, ISO 105-B04, AATCC 16/169, JIS L0843, ASTM G155-1/G155-4, etc.

## YG611T Xenon Arc Tester



### Parameters

Light source	1500W Xenon lamp
Spectrum wavelength	290~800nm
BPT	63°C~100°C±3°C
Humidity range	30%RH±5%
Cycling time	1~999hour, settable
External tank	20L
Power supply	AC220V 50Hz

**Application:** YG611T Xenon Arc Tester is used to simulate and strengthen sunlight spectrum that reaches the ground by xenon arc lamp as light source, and supplemented by temperature and humidity control, and water spray conditions. This kind of xenon tester is suitable for various kinds of materials, such as textile, leather, plastic, rubber, painting, dyestuff etc.

**Related Standards:** AATCC 16, ISO 105 B02, ISO 4892, etc.





## DW601 Light Fastness Tester (Mercury Lamp)



**Application:** DW601 Light Fastness Tester (Mercury Lamp) is used to determine the light fastness of textiles which is exposed to mercury lamp.

**Related Standards:** BS 1006UK/TN.

### Parameters

Light source	500W Mercury Lamp
Distance between specimen and center of lamp	(200±5)mm
Exposure area	1800cm <sup>2</sup>
Power supply	AC220V 50Hz

## DW1410/1411 Ultraviolet Accelerated Weatherometer



DW1410



DW1411

### Parameters

Model No.	DW1410	DW1411
Light source	UV-A or UV-B	
Temperature range	RT+10°C ~70°C	
Temperature fluctuation	±1°C	
Temperature accuracy	±3°C	
Temperature resolution	0.1°C	
Humidity	≥95% RH	
Lamp space	70mm	60~70mm
Distance between samples and lamps	(50±2)mm	50~500mm, adjustable
Temperature sensor	PT-100	
Power supply	AC220V 50Hz	AC380V 50Hz

**Application:** DW1410/1411 Ultraviolet Accelerated Weatherometer is designed for a wide range of applications, such as the ageing test of non-metallic materials, organic materials (plastics, paints, coatings, rubbers, etc.) and related products on specified conditions of sunlight, temperature, humidity or/and condensation to assess the degree of color change and fade.

**Related Standards:** ISO 4892-3, ASTM D4329, ASTM D4587, ASTM D5208, etc.

## DW5610 Ozone Test Chamber



### Parameters

Temperature range	5~40°C
Temperature resolution	±0.1°C
Temperature uniformity	±2°C
Temperature fluctuation	±0.5°C
Ozone concentration	0.03~19.99ppm
Ozone deviation	≤10%
Air flow	2~25L/min
Timing range	0~999h, settable
Test chamber dimensions	500×500×600mm
Power supply	AC220V 50Hz

**Application:** DW5610 Ozone Test Chamber is used to determine the effect of exposure, under surface tensile strain conditions, either dynamic or static, in an atmosphere containing a specified level of ozone concentration and also used to determine the resistance of the color of textile in ozone atmosphere, different temperature and relative humidity.

**Related Standards:** ISO 105-G03, ASTM D1149, AATCC 109, etc.

## FY-1 Zipper Sliding Force Tester



**Related Standards:** QB/T 2171, 2172, 2173, etc.

### Parameters

Load cell	30N
Accuracy of measuring force	≤±0.5%
Effective test length	80~220mm
Sliding speed	1250±50mm/min
Return speed	1250±50mm/min
Power supply	AC220V 50Hz

**Application:** FY-1 Zipper Sliding Force Tester is used to determine sliding property of slider on metal or plastic zipper.

## FY-2 Zipper Reciprocating Tester



**Related Standards:** QB/T 2171, 2172, 2173, BS 3084, etc.

### Parameters

Test cycle range	0~9999 times
Reciprocating speed	30 cycles/min
Reciprocating travel	75mm
Open-close angle	when the end of zipper is open, 30°; The end of zipper closed, 60°
Element width range	3.5mm~12mm
Gripping device width	horizontal: 25mm; vertical: 10mm
Max load range	30N
Power supply	AC220V 50Hz

**Application:** FY-2 Zipper Reciprocating Tester is used to determine the product life of metal or plastic zipper under condition of specified load of specified times of stretching cycle.

## FY-3 Zipper Slider Bursting Strength Tester



**Related Standards:** QB/T 2171, 2172, 2173, etc.

### Parameters

Load range	0-200N
Accuracy of measuring force	≤±0.1% applied load
Deformation range	0.2-2mm (programmable)
Displacement accuracy	0.01mm
Test speed	10mm/min
Power Supply	AC220V 50Hz

**Application:** FY-3 Zipper Slider Bursting Strength Tester is used to determine the bursting strength of zipper slider at specified deformation value, such as 0.5mm.

## FY-4 Zipper Slide & Puller Torsion Tester



**Related Standards:** QB/T 2171, 2172, 2173, etc.

### Parameters

Torsion range	0.1-2.5N.m
Torsion accuracy	≤±0.1% applied load
Test speed	1.5RPM
Loading direction	clockwise
Unloading direction	anti-clockwise
Torsion angle	0-300°
Power Supply	AC220V 50Hz

**Application:** FY-4 Zipper Slider & Puller Torsion Tester is used to determine the torsion strength of Zipper slider & puller.