



SF-1 Plastic Water Content Tester



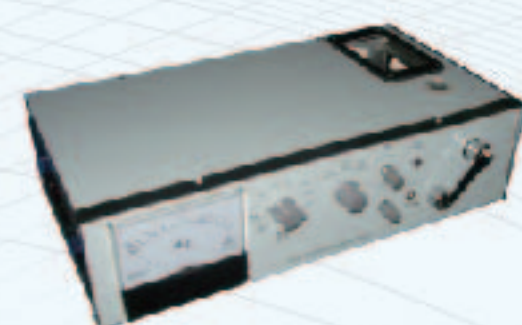
Application: SF-1 Plastic Water Content Tester is used to determine the trace moisture content of plastic granules, PET chip and granules of Nylon 6 and Nylon 66 by the differential pressure method.

Related Standards: GB/T 12006.2, ISO 6188, ISO 960, ISO 15512, etc.

Parameters

Measuring range of moisture	5~500ppm for 3g sample 30~3000ppm for 0.5g sample
Temperature range	RT~250°C
Temperature error	±3°C
Temperature fluctuation	±2°C
Vacuum degree	≤100Pa
Power supply	AC220V 50Hz

DW0180 Fiber Specific Resistance Tester

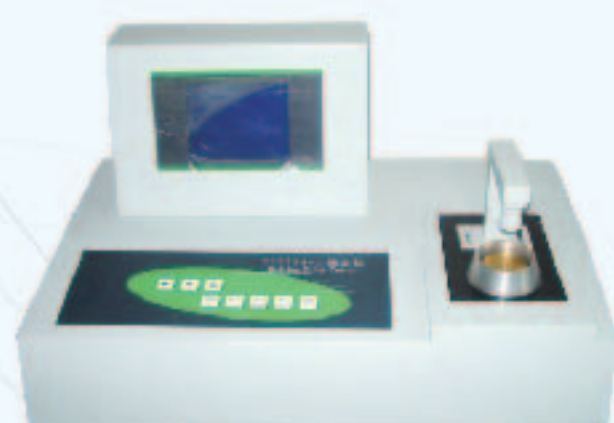


Application: DW0180 Fiber Specific Resistance Tester is used to determine the resistance of various chemical fibers on the condition of specified weight.

Parameters

Measuring range	10 ⁶ ~10 ¹³ Ω
Power supply	AC220V 50Hz

YG252A-I Melting Point Tester



Application: YG252A-I Melting Point Tester is used to determine the melting point of powder, PET chip, and chemical fibers and so on, by analyzing the change of light transmission amount during the heating process.

Parameters

Measuring range	50~320°C
Temperature accuracy	±0.5°C
Heating speed	2, 3, 4, 5°C/min, adjustable
Power supply	AC220V 50Hz

Y178 Wool Fiber Filling Power Tester



Application: Y178 Wool Fiber Filling Power Tester is used to quickly determine the filling power of wool fibers.

Related Standards: IWS TM265.

Parameters

Area of test cylinder	50cm ²
Weight of piston and ruler	500g
Load weight	1000g
Ruler measuring range	0~150mm

Yarn Twist Tester



Y321 Hand Reeling Twist Tester



Y331A-II Digital Reeling Twist Tester

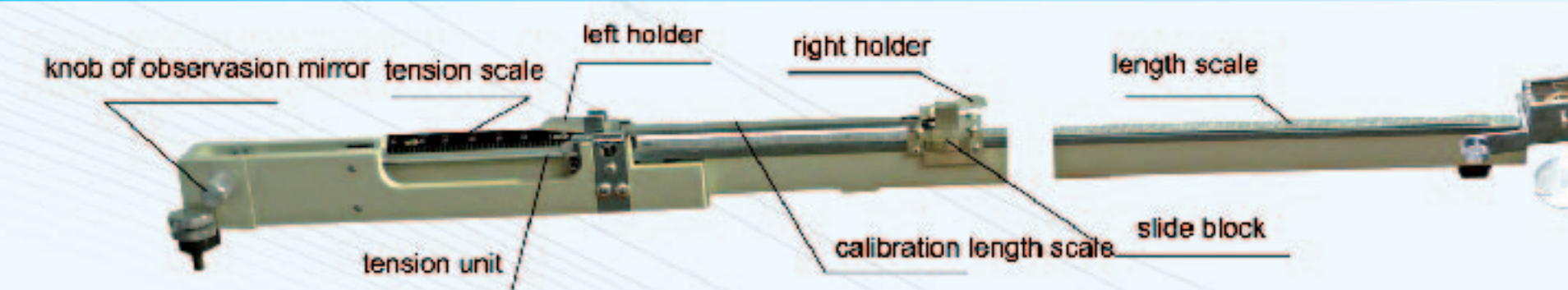
Application: Yarn Twist Tester is used to determine the yarn twist of the single (spun or multifilament) yarns, plied yarns and cabled yarns by the direction counting method or untwist-retwist method.

Related standards: GB/T 2543.1, GB/T 2543.2, ISO 2061, ASTM D1422, ASTM D1423, JIS L1095, etc.

Parameters

Model No.	Y321	Y331A-II	Y331A-III
Driven mode	Manual	Electric	Automatic
Test method	Direct count	Direct count/untwist-retwist	
Test length	0~300mm	25, 50, 100, 250, 500mm	100, 250, 500mm
Rotating speed	---	300~1200rpm	100~3000rpm
Measuring range	0~500twist	1~9999.9twist	
Power supply	---	AC220V 50Hz	

FY111L Yarn Crimp Tester



Application: FY111L Yarn Crimp Tester is used to determine yarn crimp or take-up in woven fabrics and stitch or course length in knitted fabrics.

Related Standards: ISO 7211, ASTM D3883, etc.

Parameters

Scale length	900mm
Length accuracy	1mm
Pretension range	0~35cN, 0~175cN

FY112L Course Length Tester



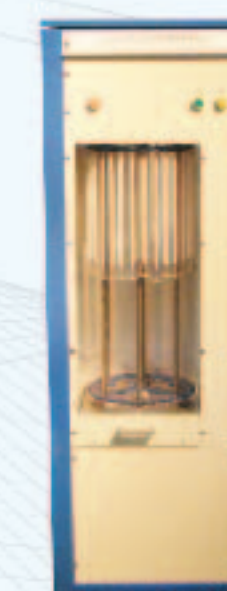
Application: FY112L Course Length Tester is used to determine the entire length of a complete course of knitted fabric by mounting the yarn over the pulley of the apparatus and adding weights to remove the crimp.

Related Standards: BS 5441, FZ/T 70008, etc.

Parameters

Measuring range of course length	500~9000mm
Pulley perimeter	100mm
Tension weights	1g, 2g, 5g, 10g, 20g

YG368 Fully Automatic Filament Crimp Contraction Properties Tester



Application: YG368 Fully Automatic Filament Crimp Contraction Properties Tester is used to determine the crimp contraction properties of textured filament yarn such as terylene, chinlon and polypropylene and has many automatic functions such as change load, increase load, record time, measure length, calibrate zero, operate results and print results.

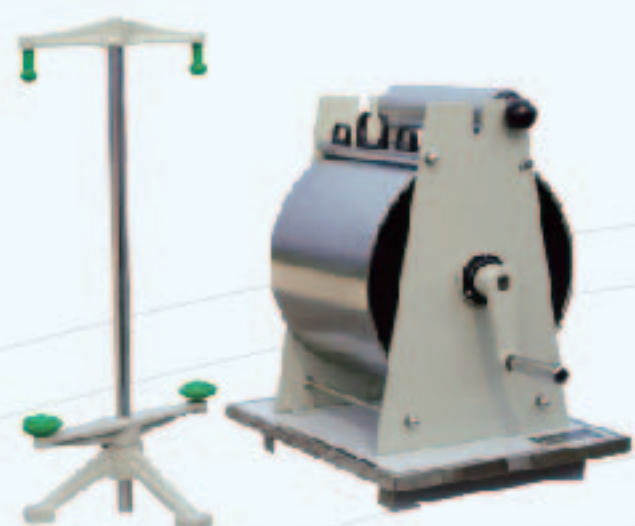
Application: BISFA-1995

Parameters

Max. sample number per time	30pcs
Sample length	1000mm±0.04mm
Load range	(2.5~5000±0.2)cN
Air pressure range	0.4~0.8Mpa
Power supply	AC220V 50Hz



Y301 Sliver Length Measurement Machine



Application: Y301 Sliver Length Measurement Machine is used to produce a certain length of sliver or roving made of cotton, wool and silk, etc., to determine the linear density (count) of sliver or roving by using a precise balance.

Related standards: GB/T 4743, ISO 2060, etc.

Parameters

Roller circumference	1000mm/36inch
Roller width	250mm
Platen diameter	Φ62mm

YG086 Series Wrap Reel Electronic



Application: YG086 Series Wrap Reel Electronic is used to produce a skein of yarn of a pre-determined length, which is used to determine the linear density or the breaking strength by the skein method.

Related Standards: GB/T 4743, GB/T 14343, GB/T 6838, ISO 2060.2, ISO 6939, ASTM D1907, etc.

Parameters

Model No.	YG086D	YG086E
Reeling circumference	1000mm	54inch
Reeling speed	30~250rpm	
Number of spindles	6pcs	
Number of reeling	1~9999, settable	
Reciprocating stroke	35mm	
Pretension range	0~100cN	
Power supply	AC220V 50Hz	

ZK200C Electronic Yarn Count System



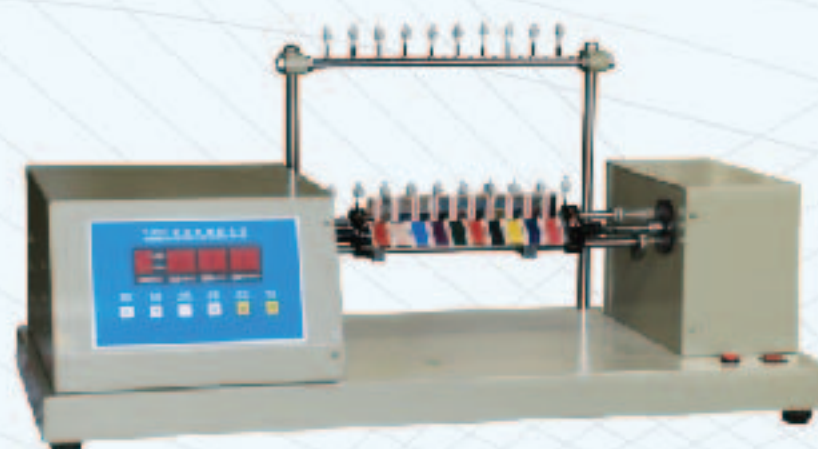
Application: ZK200C Electronic Yarn Count System consists of the professional software and a precise electronic balance, is used to determine the yarn's linear density in Tex, Denier, Nm or Ne and to determine the fabric yield in GSM or OZ/Yd².

Related Standards: GB/T 4743, ISO 2060, ISO 3801, ASTM D1907/D3776, etc.

Parameters

Measuring range of balance	200g
Readability	0.01g/0.001g
Error	±0.02g/±0.002g

Y108D Electronic Yarn Sample Winder

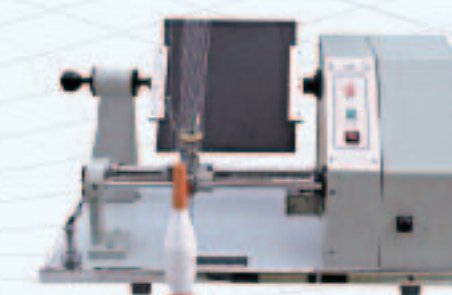


Application: Y108D Electronic Yarn Sample Winder is used to produce yarn sample cards.

Parameters

Winding speed	100~900r/min, adjustable
Winding density	0.01~0.99mm, adjustable
Winding width	5~50mm
Number of layers	1~99
Number of samples	10 or 20
Power supply	AC220V 50Hz

YG381 Series Yarn Examining Machine



YG381/M



YG381A

Application: YG381 Series Yarn Examining Machine is used to assess the evenness, hairiness, neps and other imperfections in a representative of various yarn wound at a pre-determined yarn density onto a square black board.

Related standards: GB/T 9996, ASTM D2255, etc.

Parameters

Model No.	YG381	YG381M	YG381A
Black board size	250×220mm	300×225mm	575×250×160mm
Yarn winding density	7, 9, 11, 13, 15, 19 threads/cm	35, 45, 55, 65 threads/10cm	7, 9, 11, 13, 15, 19 threads/cm
Rotating speed	10~400rpm		
Power supply	AC220V 50Hz		

Y311 Evenness Tester (Mechanical)



Application: Y311 Evenness Tester (Mechanical) is used to assess the evenness of roving and sliver.

Parameters

Slot width of idler pulley	1.58mm and 3.17mm
Linear speed of idler pulley	669.35mm/min
Lever ratio	1:100
Recording speed	1.2 times of sample speed or one tenth of sample speed

DW0311D Evenness Tester (Electronic)



Application: DW0311D Evenness Tester (Electronic) is used to assess the evenness of roving and sliver.

Parameters

Slot width of idler pulley	1.58mm and 3.17mm
Linear speed of idler pulley	1950mm/min
Display method	LCD
Linear density range	160~650tex
Test length	1~20m, digitally settable
Power supply	AC220V 50Hz

YG133 Series Yarn Evenness Tester



YG133B/M



YG133B/H

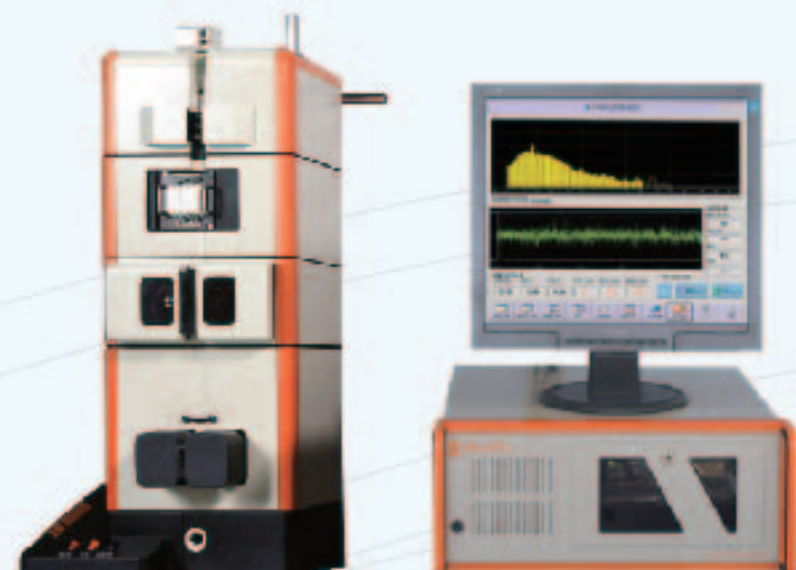
Application: YG133 Series Yarn Evenness Tester is used to assess the evenness of yarn, sliver and roving which is made from cotton, wool, flax and short synthetic fiber.

Parameters

Model No.	YG133B/M	YG133B/H
Hairiness function	No	Yes
Linear density range	4tex~80ktex	4tex~80ktex for yarn, sliver and roving 4tex~160tex for hairiness
Test speed	4, 8, 25, 50, 100, 200, 400m/min	4, 8, 25, 50, 100, 400m/min for yarn, sliver and roving 200, 400m/min for hairiness
CV/U value measuring range	0~99.99%	
Imperfections	Thin: -30%, -40%, -50%, -60% Thick: +35%, +50%, +70%, +100% Neps: +140%, +200%, +280%, +400%	
DR% measuring range	0~99.99%	
Power supply	AC220V 50Hz	



YG139C-J Filament Yarn Evenness Tester



Application: YG139C-J Filament Yarn Evenness Tester is used to assess the evenness (mass variation) of filament yarns with mechanical twisting technology. Faults on various devices or processes used in the procedure of manufacturing filament yarns can be tracked or diagnosed by analyzing the curve of wavelength-spectrogram, unevenness curve, and variance length and statistic data.

Parameters

Linear density range	10~1670dtx
Test speed	25, 50, 100, 200, 400m/min
Twisting speed	0~30000rpm
Test time	0.5~20min, settable
CV/U measuring range	0.00~99.99%
DR% measuring range	0.00~99.99%
Variance-length curve	0.01~1000m
Spectrogram wavelength	1cm~3011m
Power supply	AC220 50Hz

YG173A Yarn Hairiness Tester

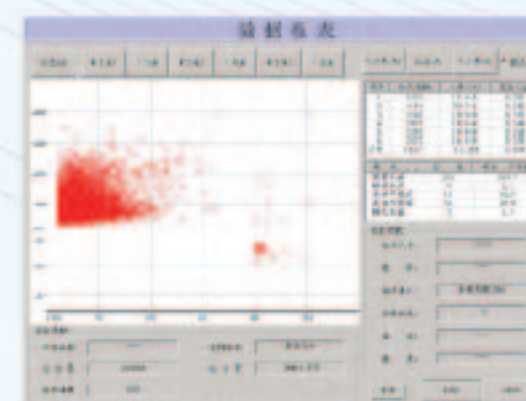
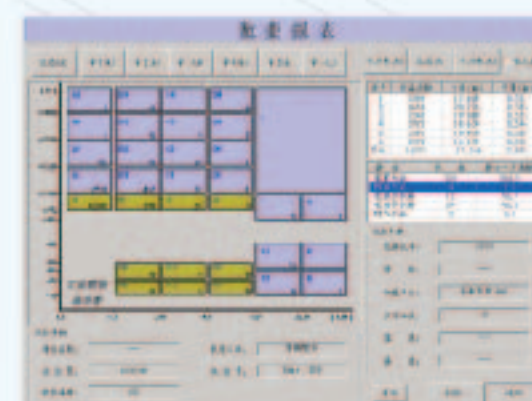


Application: YG173A Yarn Hairiness Tester is used to determine the the properties of hairiness distrubtion of yarn.

Parameters

Linear density range	4tex~160tex
Test speed	30m/min, 60m/min
Segment length	10~100m, randomly settable
Test length	1, 2, 3, 4, 5, 7, 10, 12mm, settable
Number of tests	1~100, randomly settable
Power supply	AC220V 50Hz

YG074 Yarn Faults Classification Tester

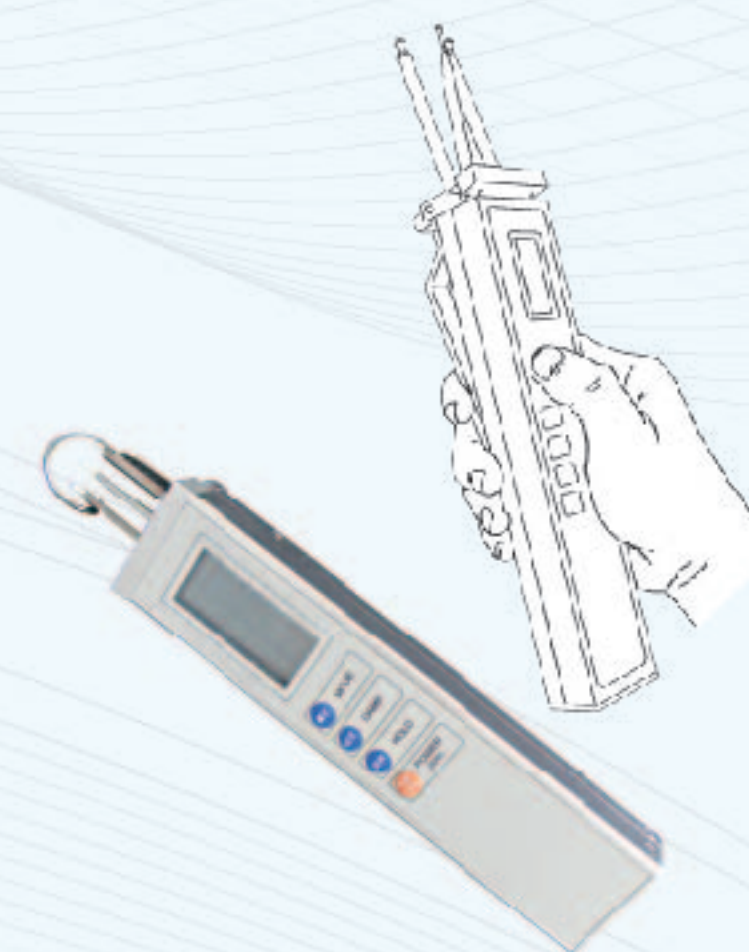


Application: YG074 Yarn Faults Classification Tester is used to determine the seldom-occurring faults and their distribution for cotton, hair, and linen, silk and pure or blended yarn of chemical fibers. It can counter and classify the yarns' faults so as to assess their quality and improve the spinning process and the yarns' quality.

Parameters

Application materials	Staple yarn with the raw material of natural fiber and artificial fiber
Testing Method	Capacitive detecting
Yarn count range	4~112tex(MD15), 8~200tex(MD20)
Winding speed	300~1800m/min (related to winding machine)
Measuring spindles	6(standard), 12 (maximum spindles, optional)
Classification	Classify faults into 3 categories and 33 grades. 23 grades are usual, including 16 grades short thick places (A, B, C, D), 3 grades long thick places (E, F, G), and 4 grades long thin places (H, I); Additional 10 grades, including 4 grades short thick places (A0~D0) and 6 grades short thin places (HB0~HD1). It can optimize the production process much better.
Power supply	AC220V, 50Hz

DTM Series Digital Tension Meter



Application: DTM Series Digital Tension Meter is used to determine the tension of moving or static yarn, fine wire, plastic thread.

Model No.	DTM50/DTM100 DTM200/DTM300 DTM500	DTM500 DTM1000 DTM2000
Guide roller	Ceramic pole Standard width Dilated	V-groove Solidified aluminum Stainless steel
Max wire speed	900m/min	450m/min
Tension range	0~500cN	500~2000cN
Application	Fine wire, yarn, plastic wire	Wire, plastic thread

Parameters

Accuracy	0.1cN
Tension range	0-500cN
Over range	Approx. 10% full scale
Overload protection	150% of tension range
Sampling rate	Approx.5 kHz(internal only)
Display update rate	Approx.4 times/sec
Measuring deflection	0.5mm max.
Temperature range	10~45 °C
Air humidity	85% RH, max
Dimensions	220×52×46mm
Power supply	Two-Cell Alkaline Battery(2×AA)

STM500 Tension Meter for Sewing Machine



Application: STM500 Tension Meter for Sewing Machine is used to determine and adjust the tension of sewing yarn on sewing machines to get stitched seams of best and highest quality.

Parameters

Tension range	1~500cN or 1~1000cN
Tension accuracy	±1%of full scale and ±1 digit
Sampling rate	Approx. 5kHz
Display response rate	Approx. 2 times/s
Max. measuring roller deflection	0.5mm
Power supply	Alkaline battery or AC adapter

DWFA Series Pendulum Arm Dynamometer



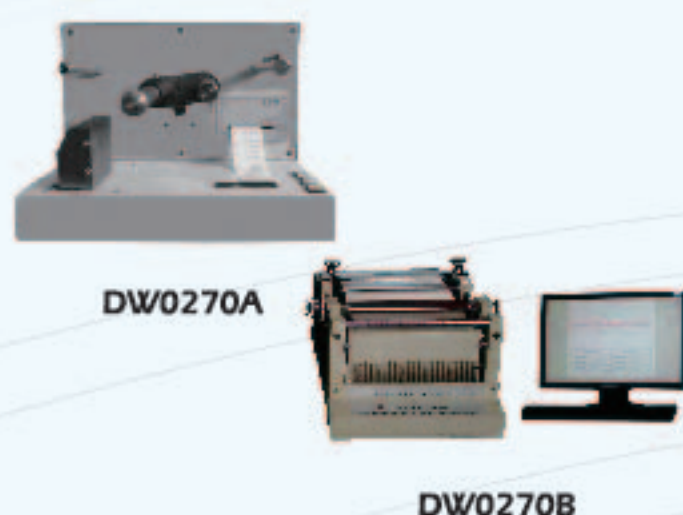
Application: DWFA Series Pendulum Arm Dynamometer is used to determine the drafting roller pressure of roving machine and spinning frame, drawing machine. It can measure the front, middle and back pressure, easy to operate and accurate.

Parameters

Model No.	DWFA-I	DWFA-II
Measuring range	0~600N	
Accuracy	≤±1% of full scale	
Power	0.15W	0.25W



DW0270 Series Yarn-friction Tester



Application: DW0270 Series Yarn-friction Tester is used to determine the wear-resisting property of a single yarn or plied yarn used for textile materials.

Related Standards: FZ/T 01058, etc.

Parameters

Model No.	DW0270A	DW0270B
Max. sample number	10	20
Test speed	60rpm	
Weights	5g, 10g, 15g, 20g, 25g, 30g, 35g	
Power supply	AC220V 50Hz	

DW0276 Yarn Friction Coefficient Tester



Application: DW0276 Yarn Friction Coefficient Tester is used to determine the static friction coefficient and kinetic friction coefficient of a moving yarn in contact with a solid material.

Related Standards: ASTM D3108, etc.

Parameters

Friction measuring range	0~500cN
Friction accuracy	±1%
Friction coefficient range (u)	0<u<1
Friction angle	0~360°, adjustable
Pretension range	0~24cN
Test speed	1~100m/min
Power supply	AC220V 50Hz

YG201B Multi-function Yarn Humidity Meter



Application: YG201B Multi-function Yarn Humidity Meter is used to quickly measure the humidity of pure cotton bobbin yarn, blended bobbin yarn and other chemical bobbin yarn.

Parameters

Measuring voltage	DC100V±2V
Measuring range of humidity	3.0%~12.0% for pure cotton bobbin yarn 1.8%~7.5% for cotton/polyester bobbin yarn 7.0%~17.0% for viscose bobbin yarn
Measuring range of temperature	5~35°C
Display resolution	Temperature of 0.1°C and humidity of 0.1%
Humidity error	±0.2%
Temperature error	±0.5°C

LX-C Shore Hardness Tester

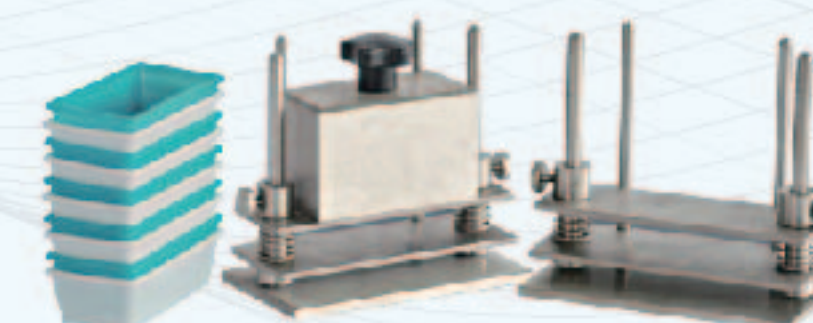


Application: LX-C Shore Hardness Tester is used to determine the shore's C hardness of materials of low hardness, such as bobbin yarn, foam, sponge, micro-porous materials, etc.

Parameters

Measuring range	0~100HW
Recommended measuring range	10~90HW
Pressure needle height	2.5mm
Pressure needle diameter	SR2.5mm

YG631 Series Perspiration Color Fastness Tester



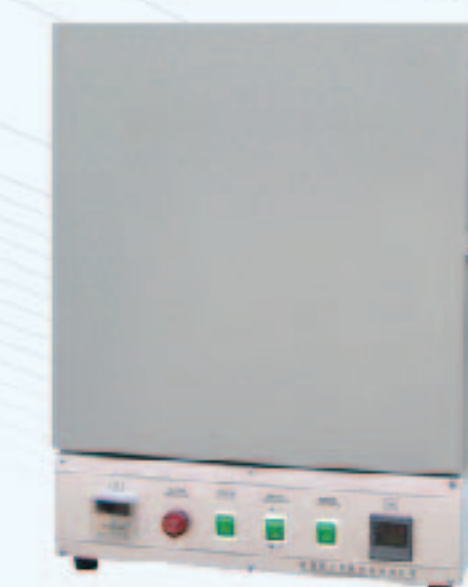
Application: YG631 Series Perspiration Color Fastness Tester is used to determine color fastness to water, perspiration, saliva and seawater of textiles.

Related Standards: ISO105 E01, E02, E04, AATCC15, 106, 107, DIN 54005, 54006, 54007, 54020, IWS TM6, 174, 175, JIS L0846, L0847, L0848, etc.

Parameters

Model No.	YG631	YG631M	YG631J
Related standard	GB, ISO	AATCC	JIS
Weight	50N	45N(10lb)	
Resin plate area	60×115mm		
Resin plate number	21 pieces		

Y902 Oven for Perspiration Color Fastness Test



Application: Y902 Oven for Perspiration Color Fastness Test is used with YG631 series perspiration color fastness tester together to carry out the color fastness to perspiration test.

Parameters

Temperature range	RT~99°C, LED display
Temperature accuracy	±1°C
Time range	0~99.99s, 0~99.99min, 0~99.99h, settable
Dimensions of working chamber	330×300×260mm
Power supply	AC220V 50Hz

Y571A Series Rotary Crockmeter



Application: Y571A Series Rotary Crockmeter is used to determine the color fastness of textiles to dry and wet rubbing, particularly for printer fabrics.

Related Standards: ISO105 X16, AATCC 16, etc.

Parameters

Model No.	Y571A	Y571A-II
Driven method	Manual	Electric
Pressure of rubbing head	1134g	
Diameter	Φ16mm	
Turning of vertical pole	After 1.125 circle turning and then reverse	
Power supply	---	AC220V 50Hz

Y571J JIS Rubbing Fastness Tester



Application: YG571J JIS Rubbing Fastness Tester is used to determine the color fastness of textiles to rubbing with a moving platen and a 2N downward force.

Related Standards: JIS L0801, etc.

Parameters

Test head weight	2N
Motion range	100mm
Reciprocating speed	30rpm
Power supply	AC220V 50Hz