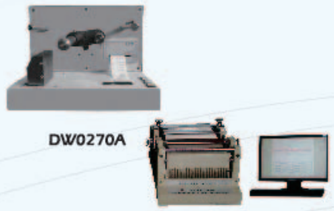
DW0270 Series Yarn-friction Tester


DW0270A

DW0270B

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

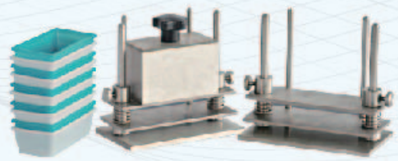
LX-C Shore Hardness Tester

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		

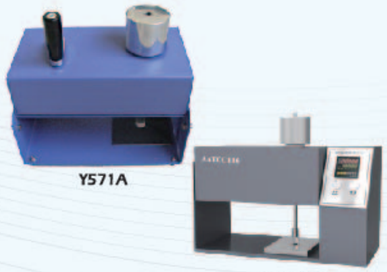
Y902 Oven for Perspiration Color Fastness Test

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


Y571A

Y571A-II

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

Y571 Series Crock Meter/Rubbing Fastness Tester


Y571M


Y571D

Parameters

Model No.	Y571M	Y571D
Driven method	Manual	Electric
Stroke	104mm	
Pressure of rubbing head	9N	
Size of rubbing head	Round: Φ16mm	Round: Φ16mm Square:19×25mm
Reciprocating speed	---	60rpm
Power supply	---	AC220V 50Hz

Application: Y571Series Crock Meter/Rubbing Fastness Tester is used to determine the color fastness of textiles and leather to rubbing under either dry or wet condition.
Related Standards: ISO105 D02, 105 X12, AATCC 8, etc.

YG605 Series Scorch/Sublimation Tester


YG605

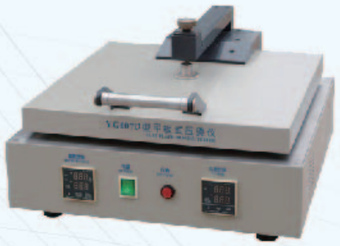

YG605-3

Parameters

Model No.	YG605	YG605-III	YG605M
Working position	1	3	1
Heating block size	50×110mm		6in×6in
Temperature range	RT~250°C, settable and LED display		
Temperature accuracy	≤±2°C		
Test time	0~99.99s, 0~99.99min, 0~99.99h, settable and LED display		
Power supply	AC220V 50Hz		

Application: YG605 Series Scorch/Sublimation Tester is used to determine color fastness of fabrics to hot pressing or dry heat and to conduct sublimation test.
Related Standards: AATCC 114, 117, 133, ISO 105-P01, 105-X11, JIS L0850, L0879, etc.

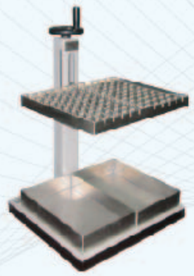
YG607D Hot Flat Ironing Tester



Application: YG607D Hot Flat Ironing Tester is used to determine the stability and durability of fabrics to hot pressing.
Related Standards: ISO 9866, etc.
Parameters

Press plat size	320×320mm
Test pressure	0.3kPa
Temperature range	RT~220°C, LED display
Temperature accuracy	±2°C
Test time	1~999s, settable and LED display
Power supply	AC220V 50Hz

DW2011 Color/Daimaru Bleeding Tester



Application: DW2011 Color/Daimaru Bleeding Tester is used to test the probability of color transfer to white cloth due to dyestuff exudes by washing or raining. This tester is special designed for fabric which combined by different color or which with color pattern.
Related Standards: Daimaru standard.
Parameters

Number of sample clip	100
Sample frame	450×350mm
Lift height	120mm
Tank size	350×220mm

SW Series Color Fastness to Washing Tester


SW-8A


SW-12M/24A

Parameters

Model No.		SW-8A	SW-12M	SW-24A
Number of test cups	550ml(ISO)	8	12	24
	1200ml(AATCC)	6	6	12
Number of working tank		1working tank	1 working tank 1 preheat tank	2 working tanks
Rotating speed		40±2rpm		
Temperature range		RT~100°C, settable and LED display		
Temperature accuracy		±1°C		
Time range		1~999min		
Power supply		AC380V 50Hz		

Application: SW Series Color Fastness to Washing Tester is used to determine color fastness of cotton, wool, ramie, silk, chemical fabric to washing.
Related Standards: ISO 105 C01~C06, ISO 105 D01, AATCC 61, AATCC 132, JIS L0844, L0860, etc.

YG-1/2 Dry Cleaning & Washing Tester


YG-1


YG-2

Application: YG-1/2 Dry Cleaning & Washing Tester is used to determine color fastness to dry cleaning of various woven fabrics, knitted fabrics, non-woven fabrics and interlining clothes.
Related Standards: ISO 3175, AATCC 162, etc.
Parameters

Model No.	YG-1	YG-2
Standard	ISO 3175	AATCC 162
Cylinder capacity	11.4L	7650ml
Rotating angle	50°±1°	
Rotating speed	47rpm	60rpm or 45~75rpm
Time range	1~999min	1~9999min
Power supply	AC220V 50Hz	

YG-6/10 Standardized Dry-cleaning Machine

Application: YG-6/10 Standardized Dry-cleaning Machine is used to determine the physical index of fabrics, garment through scrubbing solution or organic solvent washing.
Related Standards: ISO 3175.1-1, ISO 3175.1-2, AATCC 158, JIS L1018, JIS L1019, etc.
Parameters

Model No.	YG-6	YG-10
Capacity	6kg	10kg
Distilling tough	50L	60L
Washing speed	45rpm	
Drying speed	450rpm	
Dry time	4~60min	
Max. drying temperature	80°C±2°C	
Power supply	AC220V 50Hz	

ZJQ-1250 Steam Ironer

Application: ZJQ-1250 Steam Ironer is used to carry out the process of steam ironing on seams or collars of clothing made of wool, chemical fiber, cotton or their blends, widely used in hotels, restaurants, armies, laundries and garment factories. It can also be used to iron table cloth of small scale, napkin and handkerchief. Mainly used for ironing process after dry cleaning and washing.
Parameters

Steam working pressure	0.4~0.5Mpa
Steam consumption	20kg/h
Compressed air pressure	0.5Mpa
Power supply	AC380V 50Hz

YG033 Series Elmendorf Tearing Tester


YG033A YG033B YG033C

Application: YG033 Series Elmendorf Tearing Tester is used to determine the tearing strength of various woven fabrics or non-woven fabrics with regular wiring in the tearing direction by a falling pendulum.

Related Standards: ISO 6383, ISO 13937.1, ASTM D1424, ASTM D5734, etc.

Parameters

Model No.	YG033A	YG033B	YG033C
Clamp method	Manual	Manual	Pneumatic
Display method	Dial	Dial	LCD
Force range	0~16N 0~32N 0~64N	0~32N 0~64N 0~96N 0~128N	0~16N 0~32N 0~64N 0~128N
Force accuracy	≤±1%		≤±0.5%
Force unit	N		N, cN, kgf, gf, lbf
Slit length	20mm		
Power supply	---		AC220V 50Hz

YG032D Bursting Strength Tester

Application: YG032D Bursting Strength Tester is used to determine the bursting strength of woven or knitted fabrics, non-woven, paper, leather and board by application of a hydraulic load under a rubber diaphragm of specific area.

Related Standards: ISO 13938.1, ASMT D3786, etc.

Parameters

Model No.	YG032D
Test area	7.3cm²(30.5mm) 50cm²(79.8mm)
Pressure speed	8 grade
Bursting strength range	0~6000Kpa
Strength resolution	0.1Kpa
Strength accuracy	≤±1%
Distension range & resolution	0~40mm, 0.1mm
Power supply	AC220V 50Hz

FY012J Gloves Cut-resistance Testing Machine

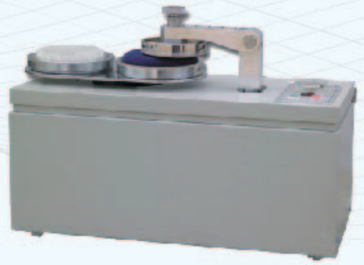
Application: FY012J Gloves Cut-resistance Testing Machine is used to determine the resistance of protective materials, such as protective gloves, to cut; specimens are cut by a counter-rotating circular blade which moves with an alternating motion under a specified load.

Related Standards: ISO 20344, EN 388, etc.

Parameters

Loading pressure	5N±0.05N
Blade size	45±0.5 mm 3mm in thickness
Cutting Travel	50mm
Cutting speed	10cm/s
Counter	1~99999.9
Power supply	AC220V 50Hz

YG502 Surface Fuzzing & Pilling Tester



Application: YG502 Surface Fuzzing & Pilling Tester is used to assess fuzzing and pilling property of fabrics under slight pressure.

Related Standards: GB/T 4802.1, JIS L1076, DIN 53863.2, etc.

Parameters

Motion track	Circular Φ40mm
Range of brush height	2~12mm, adjustable
Pressure weight	100cN, 290cN, 490cN
Rubbing speed	60rpm
Rubbing range	1~9999, adjustable
Power supply	AC220V 50Hz

YG401 Series Martindale Abrasion & Pilling Tester


YG401B


YG401D

Application: YG401 Series Martindale Abrasion & Pilling Tester is used to test the specimen rubbed against the known abrading at low pressure and in continuously changing directions tracing down the Lissa-jous figure, and amount of abrasion and pilling is compared against the standard photographs.

Related Standards: ISO 5470.2, ISO 12945-2, ISO 12947-1, DIN 53863, DIN 53865, ASTM D4966, ASTM D4970, IWS TM196, IWS TM112, JIS L1096, etc.

Parameters

Model No.	YG401B	YG401D	YG401E
Number of working positions	4	6	8 or 9
Display method	Counter	LED	Touch panel
Times of testing	1~99999		1~999999
Test speed	50rpm		20, 50, 75rpm
Power supply	AC220V 50Hz	AC380V 50Hz	AC220V 50Hz

FY227 Series Random Tumble Pilling Tester

Application: FY227 Series Random Tumble Pilling Tester is used to determine the pilling and fuzzing properties of textile fabrics with stainless steel impellers rotating and tumbling test fabrics against cork lines for a pre-determined time.

Related Standards: GB/T 4802.4, ISO 12945-3, ASTM D3512, ASTM D1375, DIN53867, etc.

Parameters

Model No.	FY227-II	FY227-IV
Number of chambers	2	4
Chamber diameter	Φ145mm	
Rotating speed	1200rpm	
Power supply	AC220V 50Hz	

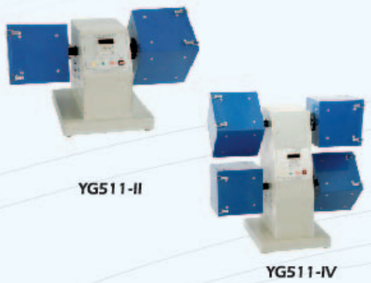
DW0227 Universal Pilling Assessment Viewer

Application: DW0227 Universal Pilling Assessment Viewer is used to assess the pilling degree on fabrics, whether against control fabrics or photographs. It is suitable for Martindale pilling, ICI pilling, ICI snagging, random tumble pilling and brush/sponge pilling.

Parameters

Observe zone	340×165×240mm
Light source	CWF lamp
Power supply	AC220V 50Hz

YG511 Series Orbiter Pilling & Snagging Tester



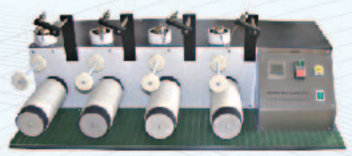
Application: YG511 Series Orbiter Pilling & Snagging Tester is used to determine the surface fuzzing and pilling properties of woven and knitted fabrics.

Related Standards: EN ISO 12945-1, TM 152 and BS 5811, etc.

Parameters

Model No.	YG511-II	YG511-IV	YG511-VI
Drum number	2	4	6
Drum volume	235×235×235mm		
Rotational speed	60rpm±2rpm		
Counting range	1~99999, LED display		
Power supply	AC220V 50Hz		

YG518E ICI Mace Snagging Tester



Application: YG518E ICI Mace Snagging Tester is used to rapidly determine the tendency of fabrics to snag.

Related Standards: ASTM D3939, JIS L1058, etc.

Parameters

Number of working position	4
Test speed	60rpm±2rpm
Size of cylinder	Φ82×210mm
Mace ball	160±10g, 11maces
Specifications of mace	10mm in length and 0.13mm in diameter of tip
Counting range	0~99999, LED display
Power supply	AC220V 50Hz

DW5080 Bean Bag Snagging Tester

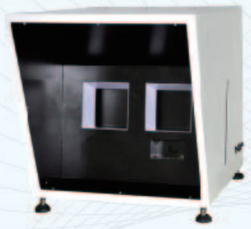
Application: DW5080 Bean Bag Snagging Tester is used to determine the snagging and picking characteristics of knitted fabrics by tumbling fabrics pillows containing a weighted bean bag in two separate test cylinders equipped with eight pinned bars.

Related Standards: ASTM D5362, JIS L1058, etc.

Parameters

Drum size	Φ200×145mm
Number of pinned bars	8
Test speed	(20±3)rpm
Size of pinned bar	Φ8×127mm with 9 pins on it
Pin size	10mm in length, spacing 12, inclination of (30±5)°
Weight of bean bag	(450±10)g
Power supply	AC220V 50Hz

YG908E Snagging Assessment Viewer



Application: YG908E Snagging Assessment Viewer is used to assess the snagging degree on fabrics, whether against control fabrics or photographs.

Related Standards: GB/T 11047.

Parameters

Light source	12V 55W quartz halogen lamp
Light life	500 hours
Power supply	AC220V 50Hz

YG522N Taber Abrasion Tester

Parameters

Diameter of sample plate	Φ90mm
Speed of sample plate	60rpm
Distance between abrasive wheel and sample center	38mm
Load weight	125g, 250g, 750g
Counting range	1~99999, LED display
Power supply	AC220V 50Hz

Application: YG522N Taber Abrasion Tester is used to determine the abrasion resistance of textiles, rubber, paint, floor titles, paper, leather and other abrasive materials by Taber method.

Related Standards: ISO 5470-1, ASTM D3884, DIN 53863.2, etc.

DW5430 Universal Wear Tester

Application: DW5430 Universal Wear Tester is used to determine the wear and abrasion resistance of various fabrics, such as clothing footwear and other industrial textiles.

Related Standards: ASTM D3514, D3885, D3886, AATCC 119/120, FTMS191/5300 /5302, FORD EFB15J2, BN112-01, etc.

Parameters

Tension weights	1/2lb×2, 1lb×2, 2lb×2, 5lb×2
Balance weights	1/2lb×2, 1lb×2, 2lb×2, 5lb×2
Test speed	120rpm
Pressure range	1~9psi
Stroke	Approx. 1"
Cycle counter	Five-digit counter
Power supply	AC220V 50Hz

DW5432 Oscillatory Cylinder Abrasive Machine

Application: DW5432 Oscillatory Cylinder Abrasive Machine is used to determine the abrasion resistance of woven textile fabrics, especially used for automobile decoration or furniture to the standard abradant (Cotton Duck or Wire Screen).

Related Standards: ASTM D4157, GM 3558 M4.6, etc.

Parameters

Number of pressure pads	4
Rate of oscillating cylinder	(90±1)rpm
Size of oscillating cylinder	R100×400mm
Oscillating travel	(76±2)mm
Pressure pad	50×50mm, with sponge rubber
Calibrated mass for tension	340g
Tension range	1lbf~6lbf, adjustable
Calibrated mass for pressure	150g
Pressure range	31lbf~3.5lbf, adjustable
Specimen size	73×245mm
Power supply	AC220V 50Hz

AATCC Shrinkage Tester


Washer

Dryer

Related Standards: AATCC 88B, AATCC 88C, AATCC 124, AATCC 130, AATCC 135, AATCC 142, AATCC 143, AATCC 150, AATCC 159, AATCC 172, etc.

Parameters

AATCC Washer

Whirlpool	Quiet WashTM System
10 washing programs	Top loader
4 temperature selections	Washing capacity of 23lb(10.5kg)
4 water level selections	Power supply: AC220V 50Hz

Parameters

AATCC Dryer

Accu Dry ™ Sensor	Quiet Dry ™ Sound Insulation
10 professional drying programs	4 temperature settings
10~70 min timed drying cycle	Power supply: AC220V 50Hz

Application: AATCC Shrinkage Tester consists of a top-loading home laundry washing machine and a front-loading drying machine, recommended by AATCC for AATCC test methods.

Y089E Automatic Washing Shrinkage Tester

Related Standards: ISO 5077, ISO 6330, etc.

Parameters

Washing method	Front-loading, horizontal tumbling-drum
Diameter of drum	Φ(515±5)mm
Depth of drum	(335±5)mm
Rotating speed	52rpm for washing 500rpm for dehydrating Stepless speed regulation,
Load capacity	5kg(dry cloth)
Temperature range	RT~99.9°C, settable
Power supply	AC220V 50Hz

Application: Y089E Automatic Washing Shrinkage Tester is used to assess the shrinkage of knitted and woven fabrics in accordance with international test methods.

Y085 Shrinkage Ruler

Application: Y085 Shrinkage Ruler is used in the test for tag printing and dimensional changes in the shrinkage test for fabrics.

Parameters

Measuring length	500mm±1mm
Dimensions	600×600×40mm
Weight	0.5kg

FY743 Precision Tumble Dryer

Application: FY743 Precision Tumble Dryer is used to dry the fabric, clothes, etc.

Related Standards: GB/T 8629, GB/T 13770, GB/T 13771, ISO 6330, etc.

Parameters

Loading type	Front-loading with horizontal rotating cage
Drum diameter	Φ580mm
Drum volume	100L
Rotating speed	50r/min
Rated capacity of dry cloth	6kg
Dry method	Hot-air and cold-air
Drying time	adjustable
Power supply	AC220V, 50Hz

YG741 Drying Cabinet for Dimensional Change

Application: YG741 Drying Cabinet for Dimensional Change is used to determine the shrinkage property for knitted or woven fabric.

Related Standards: ISO 105-D01, ISO 6330, etc.

Parameters

Working chamber dimensions	1600×600×1050mm
Dry method	Forced hot air convection
Temperature range	RT~99.9°C, LED display
Temperature accuracy	±3°C
Timing range	0~999min, LED display
Power supply	AC380V 50Hz

YG742 Fabric Steam Shrinkage Tester

Application: YG742 Fabric Steam Shrinkage Tester is used to determine dimensional change of unstressed fabrics subjected to steaming in a closed chamber.

Related Standards: ISO 3005, FZ/T 20021, IWS TM290, BS 4323, etc.

Parameters

Working steam pressure	0~380kPa, Adjustable
Steam speed	(70±14)g/min
Inner chamber size	Φ100×360mm
Sample holder size	290×60×72mm
Power supply	AC220V 50Hz

FY207 Automatic Fabric Stiffness Tester

Application: FY207 Automatic Fabric Stiffness Tester is used to determine the bending height flexural rigidity and bending modulus of fabrics.

Related Standards: GB/T 18318, ISO 9073-7, ASTM D1388, etc.

Parameters

Test angle	41.5°, 43°, 45°
Platform size	40×250mm
Pressing board size	25×200mm
Pressing board speed	3~5mm/s
Elongation range	5-200mm
Length resolution	0.1mm
Power supply	AC220V 50Hz

FY207B Fabric Stiffness Tester (Heart Loop Method)

Application: FY207B Fabric Stiffness Tester (Heart Loop Method) is used to determine the stiffness property of fabrics by the heart loop method.

Related Standards: GB/T 18318.2, ASMT D1388 (B Test), JIS L1096 (8.21.4 D Test).

Parameters

Specimen length	Standard:200mm Optional:150mm or 250mm
Specimen width	25~75mm
Measuring range	34~130mm
Brass bar for clamping sample	25×3mm
Dimensions	320×250×290mm
Power supply	AC220 50Hz

YG541 Series Fabric Crease Recovery Tester

YG541A

YG541E

Application: YG541 Series Fabric Crease Recovery Tester is used to determine the wrinkle recovery of fabrics after being pressed by a loading weight for a predetermined time.

Related Standards: GB/T 3819, ISO 2313, BS EN 22313, AATCC 66, KS K0550, K0551, K0556, JIS L1059, etc.

Parameters

Model No.	YG541A	YG541E
Test method	Horizontal method	Vertical method
Number of working positions	1pcs	10 pcs
Measuring rang of angle	0~360°	5~175°
Measuring angle accuracy	±1°	
Pressuring load	10N±0.05N	
Location accuracy	1mm	
load time	5min±5s	
Power supply	AC220V 50Hz	

SM Series Portable Thickness Gauge

SM-112

SM-114

Application: SM Series Portable Thickness Gauge is used to test the thickness of leathers, fabrics, etc.

Parameters

Model No.	SM-112	SM-114	SM-115	SM-116
Indicting method	Dial		Digital	Dial or digital
Measuring range	0.01~10mm		0~12.7mm	0~10mm
Resolution	0.01mm		0.001mm	0.01/0.001mm
Measure depth	26mm	120mm	50mm	70mm

YG141D Digital Thickness Gauge for Textile

Application: YG141D Digital Thickness Gauge for Textile is used to determine the thickness of various woven and knitted fabrics under a certain pressure

Related Standards: ISO 5084, 9073.2, etc.

Parameters

Range of thickness	0.01~10mm
Measuring accuracy	0.01mm
Area of pressing foot	100mm², 200mm², 2500mm², 10000mm²
Pressing weight	50cN, 100cN, 200cN
Pressing duration	10s, 30s
Power supply	AC220V 50Hz

YG811D Fully Cyber-control Drapeometer

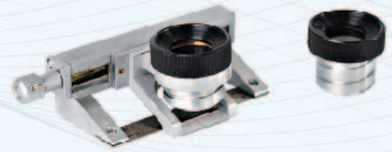
Application: YG811D Fully Cyber-control Drapeometer is used to measure drape property from the deformation by gravity of an initially horizontal annular ring of fabrics.

Related Standards: FZ/T 01045, etc.

Parameters

Drape coefficient range	0~100%
Drape coefficient accuracy	±5%
Aesthetic coefficient	0~100%
Aesthetic accuracy	±2%
Liveliness coefficient	0~100%
Liveliness accuracy	±2%
Whirling speed	0~100r/min
Power supply	AC220V 50Hz

Y511B Pick Glass



Application: Y511B Pick Glass is used to count the number of yarn in warp-wise of across of all kind of fabric in set length.

Related Standards: GB/T 4668, ISO 7211.2, etc.

Parameters

Magnification	10×, 20×
Lens shift range	0~50mm
Scale resolution	1mm
Dimensions	97×53×35mm
Weight	0.2kg

DW512A Digital Pick Counter

Application: DW512A Digital Pick Counter is used to determine the thread density of woven fabrics and loop density of knitted fabrics.

Related Standards: GB/T 4668, ISO 7211.2, ASTM D3775,etc.

Parameters

Magnification of camera	1×~50×
Counting direction	Warp-wise or weft-wise
Display model	Threads/10mm and threads/inch

DW512B Digital Pick Counter

Application: DW512B Digital Pick Counter is used to fast, conveniently and accurately determine the thread density of woven fabric and loop density of knitted fabrics by optical way.

Related Standards: GB/T 4668, ISO 7211.2, etc.

Parameters

Scan resolution	4800dpi
Scan length	0~20cm
Power supply	AC220V 50Hz

XSP-8CV Precision Trinocular Microscope

Application: XSP-8CV Precision Trinocular Microscope is used for the examination of textiles up to 1000 times magnification. Eyepieces 10×, objectives 4×, 10×, 40×, 100×, substage illumination 360°rotatable head, coarse and fine focusing. Large mechanical stage with built-in X-Y verniers. Extra viewing port to cameras and video.

Parameters

Max. magnification	1000×
Eyepiece	10×
Objectives	4×, 10×, 40×, 100×
Power supply	AC220V 50Hz

UL94 Horizontal/Vertical Flammability Tester

Related Standards:
Horizontal flammability test: UL HB, IEC 60695-11-10, IEC 60707, ISO 1210, GB/T 2408;
50W vertical flammability test: UL94 V0, V1, V2, IEC 60695-11-10, ISO 1210, GB/T 2408;
500W vertical flammability test: 5VA, 5VB, IEC 60695-11-20, ISO 9770, GB/T 5169.17;
Thin flexible material vertical flammability test: VTM-0, VTM-1, VTM-2, ISO 9773;
Cellular plastic material horizontal flammability test: HF-1, HF-2, HBF, ISO 9772, GB/T 8332.

Parameters

Burner brand	Humboldt, USA
Burner diameter	(0.9±0.03)mm
Burner angle	0°, 20°, 45° adjustable
Flame height	20~200mm
Chamber volume	0.75m³

Application: UL94 Horizontal/Vertical Flammability Tester is used to evaluate compliance the ignition resistance properties of component parts and materials of apparatus and instruments, and suitable for determining the flammability properties such as flammable properties, burning rate, flame spread speed, burning intensity and flammability resistance of products.

YG815A Flammability Tester (Vertical Method)

Application: YG815A Flammability Tester (Vertical Method) is used to determine the after-flame time, afterglow time and the damaged length of textiles to assess its burning behavior.

Related Standards: GB/T 5455, ASTM D6413, etc.

Parameters

Igniting method	Automatically
Timing range	0.1~999.9s, settable
Igniting time	12.0s
Diameter of igniter caliber	Φ11mm
Power supply	AC220V 50Hz

YG815B Flammability Tester (Horizontal Method)

Application: YG815B Flammability Tester (Horizontal Method) is used to determine the flammability performance of textiles by determining the flame spreading speed in the horizontal direction.

Related Standards: FZ/T 01028, etc.

Parameters

Timing range	0~999.9s
Igniting time	15.0s
Diameter of igniter head	Φ9.5mm
Ignition height	19mm
Flame height	38mm
Size of specimen holder	Outer size 360×100mm Inner size 330×50mm
Power supply	AC220V 50Hz

YG815C GB 45° Automatic Flammability Tester

Application: YG815C GB 45° Automatic Flammability Tester is used to determine the burning area and length of textiles or the melting behavior of other materials.

Related Standards: GB/T 14645, etc

Parameters

Ignition mode	Automatically in A method; Manually in B method
Timing range	0.1~999.9s
Igniting time	Method A: 30s for thin fabric 120s for thick fabric Method B: Manual control
Diameter of igniter caliber	Method A: Φ6.4mm for thin fabric Φ20mm for thick fabric Method B: Φ6.4mm
Power supply	AC220V 50Hz

YG815D AFCC 45° Flammability Tester

Parameters

Igniting method	Automatically
Timing range	0.1~999.9s
Igniting time	1.0s
Diameter of igniter caliber	4 1/2 Size syringe needle
Power supply	AC220V 50Hz

Application: YG815D AFCC 45° Flammability Tester is used to determine the burning characteristic of textiles under controlled conditions.
Related Standards: 16 CFR Part1610, BIFMA, CA TB117 Section C&E, NFPA 702, ASTM D1230, etc.

YG815E Flammability Tester (Automotive Interiors Components)

Application: YG815E Flammability Tester (Automotive Interiors Components) is used to measure the horizontal burning rate of exclusive materials or composite materials used as interior materials of motor vehicles.

Related Standards: GB/T 8410, ASTM D5132, JIS D1201, etc.

Parameters

Igniting method	Manually
Timing range	0.1~999.9s
Igniting time	Standard 15s
Diameter of igniter caliber	Φ9.5mm
Power supply	AC220V 50Hz

YG815F Flammability Tester (Protective Clothing)

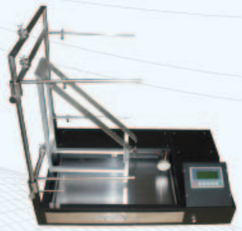
Application: YG815 F Flammability tester (Protective Clothing) is used to determine the limited flame spread properties of vertical oriented textile fabrics and industrial products when subjected to a small defined flame.

Related Standards: ISO 15025, etc.

Parameters

Range of flame angle	0°, 30°, 90°
Igniting time	(0~99)s±1s, settable
Flame height	25±2mm or 40±2mm

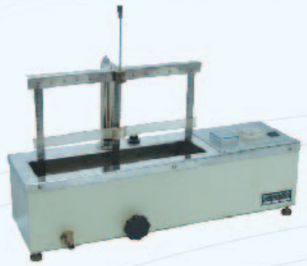
YG815W Flammability Tester for Vertically Oriented Specimens



Application: YG815W Flammability Tester for Vertically Oriented Specimens is used to determine the flame spread times of vertically oriented textile fabrics and industrial products in the form of single or multi-components fabrics (coated, quilted, multilayered sandwich combinations and similar combinations) when subjected to a small, defined flame.

Related Standards: GB/T 14644, 16 CRR Part 1610, CA TB117 Section C&E, NFPA 702, BIFMA, ASTM D1230, BS EN ISO 6941, EN 71-2, etc.

YG871 Capillary Effect Tester



Application: YG871 Capillary Effect Tester is used to determine the capillary water absorbability effect of textile materials.

Related Standards: JIS L1907, FZ/T 01071, etc.

Parameters

Number of samples	Max.10
Pretension clip	3.0±0.5g
Test temperature	RT~99.9°C±2°C
Test time	0~99.99min, settable
Scale	0~300±1mm
Power supply	AC220V 50Hz

Y813 Spray Rating Tester

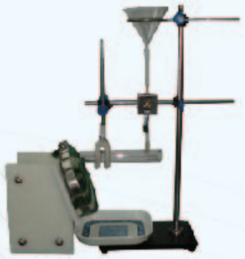
Application: Y813 Spray Rating Tester is used to determine the resistance of any fabrics, which may or may not have been given a water-repellent finish, to surface wetting by water.

Related Standards: ISO 4920, AATCC 22, JIS L1092, etc.

Parameters

Glass funnel	Φ150mm×150mm
Specimen gradient	45°
Distance between nozzle and center of specimen	150mm
Diameter of specimen rack	Φ150mm
Matched graduate	500mL

Y813-II Absorbency Tester for Terry Fabrics



Application: Y813-II Absorbency Tester for Terry Fabrics is used to simulate the procedure of washcloth's absorbing water from the surface of skin, dishes and furniture in the actual life to determine the ability of a terry fabric (washcloth, facecloth, hoods, Turkish towels, etc.) to rapidly absorb and retain liquid water from surfaces.

Related Standards: GB/T 22799, ASTM D4772, etc.

Parameters

Space between bottom of pour spout and specimen	2~10mm
Distance between bottom of pour spout and hoop outside	28~32mm
Angle between hoop and horizontal surface	60°

YG814D Wettability Tester

Application: YG814D Wettability Tester is used to determine the wettability of woven, knitted or non-woven fabrics.

Related Standards: FZ/T 60017, etc.

Parameters

Timing range	0~99.99s
Timing accuracy	0.01s
Plate size	100×100mm
Power supply	AC220V 50Hz

FY016 Run-off Apparatus

Application: FY016 Run-off Apparatus is used for testing hydrophilic nonwoven. It collects the excess liquid by using a standard receiver pad placed below the lower end of the nonwoven test piece. After that the run-off performance can be assessed by weighing the standard receiver pad before and after the test.

Related Standards: ISO 9073, etc.

Parameters

Inclined table angle	25° or 10°
Glass tube inner diameter	5mm

YG800 Rain Tester

Application: YG800 Rain Tester is used to determine the penetration resistance of fabrics or composites at different intensities of water impact.

Related Standards: ISO 22958, AATCC 35, etc.

Parameters

Water column height	0.6m(A),0.9m(B),1.2m(C),1.5m(D), 1.8m(E),2.1m(F),2.4m(G)
Nozzle hole diameter	Φ0.99mm±0.013mm
Nozzle hole number	13
Spray distance	0~500mm, adjustable

DW814 Bundesmann Rain-shower Tester

Parameters

Shower area	1300cm²
Number of nozzles	300pcs
Shower volume per 100cm²	100~300ml/min, adjustable
Height of drops	1500mm
Test area	80cm²
Diameter of test cup	Φ100mm
Installation angle of test cup	15°to vertical direction
Cup rotating speed	6rpm
Wiper rotating speed	20rpm
Wiper loading press	2.5N
Test time	0~30min, adjustable
Power supply	AC220V 50Hz

Application: DW814 Bundesmann Rain-shower Tester is used to determine of water repellency of fabrics (including waterproof fabric) by judge the specimen surface wetting status and water volume which soakage or running through the specimen.

Related Standards: GB/T 14577, ISO 9865, JIS L1092, BS EN 29865, etc.

YG812D Fabric Hydrostatic Meter

Application: YG812D Fabric Hydrostatic Meter is applied to determine the resistance of fabrics to water penetration under pressure.

Related Standards: GB/T 4744, ISO 811, AATCC 127, etc.

Parameters

Measuring range	0~200kPa±0.05kPa
Accuracy	±0.05Kpa
Specimen area	100 cm²
loading speed	1000±50Pa/min, 6000±300Pa/min
Power supply	AC220V 50Hz

YG461E Digital Air Permeability Tester

Related Standards: GB/T 5453, ISO 9237, ASTM D737, BS 5636, DIN 53887, JIS L1096, etc.
Parameters

Pressure difference range	50~500Pa
Measuring range	0.5~10000mm/s
Measuring accuracy	≤±3%
Sample thickness	≤5mm
Sample effective test area	Standard:20 cm^2; Optional 5cm^2, 25cm^2, 38cm^2, 50 cm^2, 100 cm^2
Orifice plate (Nozzle)	8pcs (Φ0.5mm, Φ1.0mm, Φ1.5mm, Φ2.5m, Φ4.5mm, Φ8.0mm, Φ14.5mm, Φ26mm)
Power supply	AC220V 50Hz

Application: YG461E Digital Air Permeability Tester is used to determine the resistance to the passage of air (air permeability) of woven, knitted and non-woven, and most of the textile materials.

YG501D Water Vapor Transmission Cabinet

Related Standards: ASTM E96, JIS L1096, etc.
Parameters

Temperature range	(20~80)°C
Temperature accuracy	±2°C
Humidity range	38% ~98%RH
Humidity accuracy	-3%RH~+2%RH
Test time	0~99.99hour, settable
Rack rotating speed	0~10rpm, adjustable
Dimensions of working chamber	500×500×600mm
Power supply	AC220V 50Hz

Application: YG501D Water Vapor Transmission Cabinet is used to determine the rate of water vapor transmission for fabric, padded cotton, apparel, etc.

YG606D Flat Plate Warmth Retention Tester

Related Standards: GB/T 11048, ASTM D1518, and JIS L1096, etc.
Parameters

Temperature	RT-49.9°C
Readability	0.1°C
Temperature accuracy	±0.5°C
Warm-up time setting range	0.1~99.9min, settable
Cycle times	1~9times, settable
Power supply	AC220V 50Hz

Application: YG606D Flat Plate Warmth Retention Tester is used to determine the thermal resistance and thermal conductivity of various textiles.

DW259A Sweating Guarded Hotplate

Related Standards: GB/T 11048, ISO 11092, ASMT F1868, ASTM D1518, etc.
Parameters

Display model	LCD touch panel
Measuring range of Rct (thermal resistance)	0.015~2.0m^2K/W
Measuring range of Ret(water vapor resistance)	5~1000m^2Pa/W
Size of test plate	250×250×3mm
Temperature range & accuracy	15~50°C±0.1°C
Humidity range & accuracy	30%RH~98%RH±2%RH
Air velocity	(0.01~2)m/s±0.05m/s
Power supply	AC220V 50Hz

Application: DW259A Sweating Guarded Hotplate is used to accurately determine the thermal resistance and water vapor resistance of textiles, fabrics, films, coatings, foams and leather including multilayer assemblies, such as clothing, quilts, sleeping bags, upholstery and similar textile or textile-like products under steady state conditions.

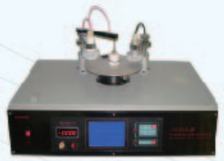
YG342L Fabric Frictional Electrostatic Tester (Faraday Bucket)

Related Standards: GB/T 12703, FZ/T 01060, JIS L1094, etc.
Parameters

Sample size	250×300mm
Measuring range	0.001uC ~2uC
Accuracy	±0.5% of displayed value
Power supply	220V 50Hz

Application: YG342L Fabric Frictional Electrostatic Tester (Faraday Bucket) is used to determine the surface charge density, uC / ㎡ of sample fabrics which is abraded with standard fabric and then placed in FARADAY BUCKET.

YG342LA Fabric Inductance-type Electrostatic Tester



Related Standards: GB/T 12703, FZ/T 01024, etc.
Parameters

Sample size	45×45mm
Charge range	0~10kV
Disc speed	1500rpm
Half-life time range	0~999.9s
Power supply	AC220V 50Hz

Application: YG342LA Fabric Inductance-type Electrostatic Tester is used to determine the electrostatic performance of various fabrics by the mechanism of corona discharge.

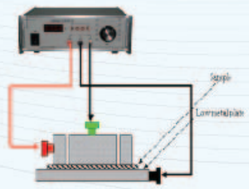
YG342LC Fabric Friction-type Electrostatic Tester

Related Standards: GB/T 12703, FZ/T 01061, JIS L1094, etc.
Parameters

Sample size	40×80mm, 4 pcs
Measuring range	0~10kV
Rotating speed of sample holder	400rpm
Tension load	500cN
Timing range	0~9999s
Power supply	AC220V 50Hz

Application: YG342LC Fabric Friction-type Electrostatic Tester is used to determine the electro-static properties of the electrified fabrics by friction form.

DW-406 Fabric Electronic Surface Resistivity Tester



Related Standards: AATCC 76, IEC 93, etc.
Parameters

Display method	Digital display
Measuring range	1×10^5Ω~1.999×10^{14}Ω
Test voltage	5V, 100V, 250V, 500V
Zero draft	≤±5% within 8 hours
Basic error	≤±10%
Power supply	AC220V 50Hz

Application: DW-406 Fabric Electronic Surface Resistivity Tester is used to determine the electrical resistivity of the surface of fabric, clothing, films or other insulating materials.

DW-407 Fabric Electrical Surface Resistance Tester

Related Standards: GB/T 12014, ASTM D257, etc.
Parameters

Working voltage	DC9V
Battery life	40h
Measuring range	10^3Ω~10^{12}Ω
Temperature measuring range	0~100°C
Humidity measuring range	0~100%RH
Display accuracy	1/2±1%

Application: DW-407 Fabric Electrical Surface Resistance Tester is used to determine the electrical resistivity of the surface of fabric, clothing, films or other insulating materials by using two heavy hammer electrodes.

YG902 UPF and UV Penetration/Protection Measurement System

Related Standards: GB/T 18830, AATCC 183, PREN 13758, AS/NZS 4399, etc.
Parameters

Testing wavelength	280nm~400nm
UVA transmittance ratio	T(UVA) (315~400nm)
UVB transmittance ratio	T(UVB) (280~315nm)
UV protection factor	UPF
Testing wavelength resolution	1nm
Power supply	220V 50Hz

Application: YG902 UPF and UV Penetration/Protection Measurement System is used to determine the ability to block UVR and measure UPF of fabric directly.

202SY-II Textile Formaldehyde Content Tester

Related Standards: AATCC 12, DIN EN ISO 14184.2,etc.
Parameters

Measuring range	0~500mg/kg
Wavelength range	412nm
Wavelength accuracy	±2nm
Spectral bandwidth	4nm
Transmittance accuracy	±0.5%T
Stray light	≤0.5%T@360nm
Stability	≤0.5%T/5min
Power supply	AC220V 50Hz

Application: 202SY-II Textile Formaldehyde Content Tester is used to quickly determine the formaldehyde content of various textiles or clothing through the spectrophotometer analyzing the absorbance and reflectance of light which travels through the extraction solution of formaldehyde colorized by the acetyl-acetone solution.

MHC1800 X Ray Fluorescence (XRF) Spectrophotometer

Parameters

Applicable elements	From Sulfur (S) to Uranium (U) in periodic table of elements
Content measuring range	2ppm~99.9%
Collimator size	Φ8.0mm, Φ6.0mm, Φ4.0mm, Φ3.0mm Φ2.0mm, Φ1.0mm, Φ0.5mm, Φ0.2mm
Test time	60~200s
Measuring repeatability	0.1% (when element content is more than 96%)
Long-time stability	0.1% (when element content is more than 96%)
Power supply	AC220V 50Hz

Application: MHC1800 X Ray Fluorescence (XRF) Spectrophotometer can be used to quickly determine the content of various heavy metal elements in fabrics, garments and toys or the content of any element (Cd, Pb, Cr, Hg, Br, Sb, As, Sn or Ba) required in the RoHS restrictions.

AZO3100 Gas Chromatograph Mass Spectrometry

Application: JJF 1164, etc.
Parameters

Mass measuring range	0~300amu 0~500amu 0~800amu 1.5~1024amu
Mass resolution	Prior to 1.5M
Scan speed	10000amu/sec, adjustable
Ion source	Standard EI electron impact source Independent heating system of 120~350°C
Chromatograph	Capillary tubes sampling system Full-automatic air circuit system Automatic controlled mass flowmeter
Power supply	AC220V 50Hz

Application: AZO3100 Gas Chromatograph Mass Spectrometry combines the gas chromatograph and mass spectrometer together to carry out the qualitative analysis and the quantitative analysis of unknown sample. It is applied in all fields where the gas chromatography is needed such as PVC detection, food safety field, environmental protection and petrochemical industry.