

GT-D Model

GT-3000 Weather Meter

It is widely use in solar radiation simulation light color fastness, light perspiration color fastness and light aging test of rubber, plastic, coating, petrochemical industry, car, textile industrial products and other materials. It through simulate illumination, exposed to the rain, mist spraying, alternating light and dark, temperature and humidity climates conditions to test material products' color fading, aging, transmittance, peeling, hardness, softness and other performance changes.

Standards

Textile: GB/T 8430, GB/T 14576, GB/T 8427, ISO 105-B02/B04/B06, AATCC 169, M&S C09 / C09A, JIS L0843

Paint coating: GB/T1865, ASTM D6695, ISO 11341, NES M0135

Rubber & Plastics: GB/T 12831, GB/T9344, GB/T 16422.1, ASTM D2565, ISO 4892

Non-metallic Material: AATCC TM16, ASTM G26, ASTM D4459, ASTM G155, GB/T 2423.24, GB/T 15102, GB/T 15104

Car: SAE J2527, SAE J1885, SAE J2212, SAE J1960, SAE J2412, ISO3917, PV 1303, PV 3929, PV 3930, DVM 0067- MA, HES D6601, TSL 0601G, GMW3414, EDS-T-7415, D47 1431



GT-D01 Suntest & Xenon Arc Tester

The Suntest & Xenon Arc Testers is a powerful Xenon Instrument for conducting accelerated tests of light fastness and photo stability tests. It is designed as a tabletop unit with a microprocessor controller for simple operation.

Standards

105-B02, AATCC TM16, JIS L0843, BS1006



GT-D01B Colorfastness to Ozone

It is intended for assessing the Ozone resistance of color of textiles of all kinds and in all forms when exposed to atmosphere with certain temperature and humidity.

Standards

GB/T 11039.3 , ISO 105-G03,AATCC 109



GT-D02A-1 Light Fastness Tester-Room Temperature(Air-Cooled)

This machine apply to light color fastness, anti-climate color fastness, light & perspiration color fastness and light aging tests of textile, paint, dye, coating, rubber, plastic, wood floor, paper and other materials, it have anti-climate functions of exposing to the rain, revolution and mist spraying.

Standards

GB/T 8427, GB/T 8430, GB/T 14576, GB/T 15102, GB/T 15104, ISO 105-B02/B04, JIS L0843, AATCC TM 16, M&S C09/C09A



GT-D02A-2 Light Fastness Tester(Air-Cooled, Room Temperature)

This machine apply to light color fastness, anti-climate color fastness, light & perspiration color fastness and light aging tests of textile, paint, dye, coating, rubber, plastic, wood floor, paper and other materials, it have anti-climate functions of exposing to the rain, revolution and mist spraying.

Standards

GB/T 8427, GB/T 8430, GB/T 14576, GB/T 15102, GB/T 15104, ISO 105-B02/B04, JIS L0843, AATCC TM 16, M&S C09/C09A



GT-D02B Light Fastness Tester(Air-Cooled, High Temperature)

This machine apply to light color fastness, anti-climate color fastness, light & perspiration color fastness and light aging tests of textile, paint, dye, coating, rubber, plastic, wood floor, paper and other materials, it have anti-climate functions of exposing to the rain, revolution and mist spraying.

Standards

ISO 105-B02/B04, AATCC TM16, JIS L0843, M&S C09/C09A, ASTM G26, G 155, ASTM D 2565 D 4459 D 6695, GB/T 14576, GB/T 8427, GB/T 1189, GB/T 9344, GB/T 16422.1, GB/T 8430



GT-D02C Carbon Arc Lamp Colorfastness to Weathering Tester

This machine apply to light color fastness, anti-climate color fastness, light & perspiration color fastness and light aging tests of textile, paint, dye, coating, rubber, plastic, wood floor, paper and other materials, it have anti-climate functions of exposing to the rain, revolution and mist spraying.

Standards

ASTM G23



GT-D03 Scorch & Sublimation Tester

This machine apply to textile assist color change or transfer capacity under heating condition, simulate textile being ironing and under high temperature & humidity dyeing color fastness to sublimation degree in daily life.

Standards

GB/T 5718, GB/T6152, M&S C13, ISO 105-P01, X11

BS 1006, AATCC 92 114 117 133, DIN 54022/54060



GT-D04 AATCC Electronic Crockmeter

To determine the colour fastness of textiles to dry or wet rubbing. A pinned acrylic sample holder ensures rapid sample mounting and repeatability of results.

Standards

BS 1006- D02, ISO 105- X12/D02, AATCC 8/165, ASTM D6279, JIS

L 0849 Type1



GT-D05 Crockmeter/ Rubber Fastness Tester

To determine the colour fastness of textiles to dry or wet rubbing. A pinned acrylic sample holder ensures rapid sample mounting and repeatability of results.

Standards

BS 1006-D02, ISO 105-X12/D02, M&S C8, AATCC 8/165, ASTM D6279, JIS L 0849 Type1



GT-D06 Colorfastness/Rubbing (Gakushin) Tester

For evaluating a material's resistance to rubbing motion. Unit is a six station, benchtop machine which includes clamps for sample attachment to moving platen and clamps for weighted rubbing arm for attachment of rubbing material. Cycle counter automatically stops machine at end of test cycles. Test samples are visually evaluated.

Standards

JIS L0823, JIS L0849 Type2, JIS L1006, JIS L1084



GT-D08 Color Matching Cabinets

Colors appear differently under different lighting sources. To avoid/reduce the assessment error when performing color contrast, we can use of a Light Booth / Viewing Booth / Color Light Box to simulate different light sources to obtain an objective assessment of color and color difference, anytime, anywhere. The Color Viewing Cabinet / Color View Light Booth / Color assessment cabinet / Color Light Box can be applied to the industries that need to perform testing color difference as follows: as the premiere designer and manufacturer of color viewing and lighting products for the Graphic arts, Photographic, Textile, Dyeing, Packaging, Printing, Leather, Inks, Knitwear, Plastic, Automotive and Ceramics industries.



GT-D09 Perspiration Tester

This machine apply for testing perspiration resistance color fastness of all kinds of textile materials & dyeing, colorful textile and test for their perspiration resistance, waterproof, seawater resistance, saliva resistance, chlorine bleach resistance, etamsylate resistance and other performance.

Standards

Perspiration: GB/ T 3922, AATCC 15, ISO105-E04, JIS L 0848

Sea Water: GB/ T5714, ISO105-E02, AATCC107

Water: GB/ T5713, ISO105 E01, AATCC106

Saliva: GB/ T 18886



GT-D10 Drying Oven

This machine is design for all kinds of textile's perspiration resistance color fastness drying test, matching GT-D09 Perspiration Tester using. It also apply for high temperature heating & drying test for other products.

Standards

Perspiration: GB/ T 3922, AATCC 15, ISO105-E04, JIS L 0848

Sea Water: GB/ T5714, ISO105-E02, AATCC107

Water: GB/ T5713, ISO105 E01, AATCC106

Saliva: GB/ T 18886



GT-D12 Durawash Garment & Printed Durability Tester

The Durawash simulates the conditions necessary to meet leading chain stores standard garment and fabric durability tests. The process control systems provide excellent accuracy and repeatability.

The physical performance of the Durawash is compatible with that of the "Hoovermatic" Twin Tub and complies with the Marks and Spencer Fabric Durability (C15) and Print Durability (P5) methods of test. Agitator speed is 560 rpm +/-2%.

Standards

Marks & Spencer P5, C15



GT-D34 Wascator Automatic Shrinkage Tester

Accelerated washing apparatus for knitted and woven fabrics to assess shrinkage in accordance with international test methods. Also used for assessing fabric stability, color fastness, finish durability, spirality and pilling to washing.

Standards

GB/T8629, GB/T8630, ISO6330/5077, FZ/T70009, BS4923, EN25077/26330, JIS L1909, IWSTM31



GT-D35 Printing Ink Durability Tester

It's mainly used in testing the abrasive resistance of print ink layer, presensitized plate and related surface coating. It can analyze the quality of abrasion resistance, the shedding of ink layer, the pressrun of presensitized plate and the hardness differences of other products.

Standards

ASTM D5264, TAPPI T830, JIS K5701



GT-D41 Washer and Tumble Dryer

To simply and economically determine the stretch and recovery of textile fabrics, both knitted and woven. The apparatus consists of a loading frame with clamps and a screw tensioning device, two 3kg loading weights and sample cutting templates.

Standards

AATCC 88B, 88C, 124, 130, 135, 142, 143, 150, 159, 172



GT-D45A Manual AATCC Rotary Vertical Crockmeter

Used to determine the amount of color transferred from the surface of colored textile materials to other surfaces by rubbing. It is applicable to textiles made from all fibers in the form of yarn or fabric, whether dyed, printed or otherwise colored and especially to prints where the singling out of areas smaller than possible to test with the standard AATCC Crockmeter (AATCC Method 8) is required.

Standards

AATCC 116, ISO 105 X16



GT-D45B Electronic AATCC Rotary Vertical Crockmeter

Rotary crockmeter applies 1134 grams of pressure on a 16mm finger and rotate 1.125 turns clockwise then anti-clockwise. The operating handle is however turned in one direction only.

Standards

AATCC 116



GT-D58 Shrinkage Marking Template

To mark and measure the washing shrinkage proportion of different kinds of textile. Marking the size of specimen with Dalo Textile Marker before washing first, then measure the size after washing, compare two size and calculate the washing shrinkage proportion.

Standards

GB/T 8629, AATCC 96/99/135/150/179/187, ISO 3759

