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CROCK METER - Q- CROCK100



STANDARDS

AATCC 8

ISO 20433 Method C

ISO 105x12 (circular rubbing head)

The Electronic Crock Meter – Q-Crock100, is designed to test the color fastness of textiles to dry or wet rubbing, also known as rubbing fastness tester. A pinned acrylic sample holder ensures rapid sample mounting and repeatability of results. Crockmeter Fitted with a pre-determined electronic counter for strokes up to 999,999 times.

This popular Crock meter complies with ISO 105×12/D02, AATCC 8/165 testing standards, etc. In the crocking test, a reliable Crock meter plays a vital role in the repeatable and reproducible results.

APPLICATIONS

Application of Crock meter Q-Crock100

The Crock meter also known as rubbing fastness tester, is mainly used in cotton, wool, hemp, silk, knitting, printing, and dyeing industries, for the determination of various types of fabric color resistance to dry, wet friction color fastness.

Moreover, the Crock meter rubbing fastness tester can apply to textiles made from all fibers in the form of yarn or fabric whether they are in the process of dyeing, printing, or coloring. However, it is not recommended to use the Crock meter for carpets or for prints. Because their singling out of areas may be too small to apply this method.

Most importantly, we need to carry out the Crock meter test before or after some treatments, such as washing, dry cleaning, washing, dry cleaning, shrinkage, ironing, finishing, and other processes about textiles. Otherwise, they may affect the

degree of color transfer from a material, making it poor.

Besides, the Crock meter is equipped with an electronic counter with a handle set on the top to take it easy. And it has a piece of sandpaper set under the test sample. Therefore, it is possible to fix the sample during the test, making the rubbing Color Fastness test repeatable. With the aid of a stable slide, the instrument can offer you even and precise testing results.



Test Principle of Crock Meter Q-Crock100

The rubbing head (usually weighs 9N) runs with a standard speed in the friction cloth specimen, to do the standard length of reciprocal linear motion, after reaching the set number of times, the Crockmeter automatically stops running. Then use the gray sample card to assess the staining of the friction cloth, so as to assess the rubbing color fastness of the sample.

The Significance of the Color Fastness Resistance

As we can see, it is easy for the color of one piece of cloth to change and transfer to another cloth in the process of manufacturing, wearing, storage, etc., due to the rubbing. What is worst, wearing cloth with poor color fastness, not only will stain other light-colored clothing, affecting the beauty but also surface dyes will be easily transferred to the skin due to the rubbing. As a result, the skin will absorb the dye, causing allergies to the skin, or doing harm to the human body to some extent. Therefore, it is of great importance to test the color fastness resistance and improve it.

FEATURES

Features of Crock meter Q-Crock100

1. **Accurate test result**

The precision slide rail ensures the linear movement of the friction rod and the friction finger, avoiding the uneven staining test result.

2. **Both wet and dry rubbing testing can be performed.**

3. **Advantageous test sets:** A large-size specimen exerts even pressure on the sample getting rid of the wrinkles when rubbing.

4. **Meet strict standards:** This popular Crock Meter is partially made in the US and Japan, and it meets strict test standards with stable performance.

Easy to operate

Easy lift design makes it easy to change either Abradants or Specimens.

The unique Handle design makes this crock meter portable and friendly for all operators.

5. Long Service life

The cover is shielded to prevent dust and other debris from falling into the instrument, prolonging the service life.

6. The load weight can be selected.

Regularly, the reciprocating load arm is weighted to provide a constant 9N load on the sample at all times.

Q-Crock100 is equipped with a mechanical counter that keeps track of completed cycles.

TECHNICAL SPECIFICATIONS

Crock Meter - Q-Crock100 Technical Specifications

Rubbing head	16 mm	
Vertical pressure	9N+/-10%	
Rubbing stroke	104 mm	
Counter	1 ~ 999,999 times, automatically stop	
Net Weight	11 kg	

Dimensions	170 mm * 650 mm * 330 mm
Power	220/110 V 50/60 Hz 3 A
Standards	ISO 105x12 (circular rubbing head), GB/T 3920 (circular rubbing head), AATCC8, ISO 20433 Method C
Optional Standards	ISO 105xD02, ISO 105x12 (rectangular rubbing head), GB/T 3920 (rectangular rubbing head), AATCC165

Standard Accessories

- AATCC rubbing cloth
- Sand paper
- Clamping sleeve
- Sampling plate

Optional Accessories and consumables

- AATCC/ISO rubbing cloth
- ATCC/ISO Gray Scale for Staining
- Sandpaper
- Rectangular rubbing head with clamp ring
- Circular clamp ring



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