



SmartCrock Crockmeter

SmartCrock is used to test the color fastness of textiles or leather under wet and dry rubbing conditions. It is a highly automated instrument. After installing the dry rubbing cloth, press the start button. And the rubbing head will descend for testing. It will raise when the test is finished. When you replace by the wet rubbing cloth, just shift the loading table left and right to start the wet rubbing color fastness test. If a test is not smooth, the rubbing table can be moved again for the third test. It is automatic and efficient. It saves 40% of the sampling and testing time by reducing manual influence on the test results.

SmartCrock

Crockmeter



- **Automatic stretching device for elastic fabrics, more accurate testing**

The patented sample clamping and stretching device solves the problem of wrinkles when testing knitted samples: it automatically stretches the samples to the same distance while clamping, avoiding wrinkles or overstretching of the samples and making the test more accurate and reproducible.

- **Wet and dry friction tests can be performed in a single test, 40% faster.**

Only one piece of sample is needed in direction of warp and weft, and through the innovative flexible platform, the dry and wet friction tests can be completed successively on the same piece of cloth, which saves sampling and loading time and greatly speeds up the test by 40%.

- **Smart Color Fastness to Rubbing Test**

The instrument connects to the SmarTexLab APP via IoT on a smartphone or computer. It then connects to ERP/LIMS through an API. The instrument can also connect directly to ERP/LIMS. Test orders and standards can be sent to the instrument. The sample information can be read by scanning the code. The program can be automatically selected and tested. After the test, a digital raw record will be created. It will include the test process, results, temperature, and humidity. This record will be uploaded to the system. It will be summarized with other tests to output a report. All relevant parties can view the report in real-time. The operator can remotely monitor the status of multiple tests. They can also modify the test requirements, get a reminder before the test ends, and stop or repeat the test. You can use online chat to get quick support from ChiuVention customer service. Also, receive reminders to calibrate, maintain, and replace consumables on the instrument. Lastly, perform OTA remote upgrades regularly.



Power

220/110V 50/60 Hz



Weight

23kg



Dimension

663*173*250 mm (L*W*H)

The specification of SmartCrock

Friction head	diameter 16 mm
Vertical pressure	9N +/- 10%
Friction stroke	104 mm

Standard accessories

AATCC friction cloth
Sandpaper
Clamping sleeve
Sampling plate

Optional accessories and consumables

AATCC/ISO Friction Cloths
AATCC/ISO stained gray card
Sandpaper
Rectangular test head with clamping ring
Round clamping ring

Standard

ISO 105x12 (round friction head), AATCC 8, GB/T 3920 (round friction head), ISO 20433 Method C;

Optional standard

ISO 105xD02, AATCC 165, ISO 105x12 (rectangular friction head), GB/T 3920 (rectangular friction head)