

digicROCK Nx™

INTRODUCTION

The Equipment is used for testing the transference of color from the surface of one material to another by either wet or dry rubbing. Specimens are rubbed with dry, standard cotton cloth (Crocking cloth) and again, if applicable, with wet cloth. The staining of the crocking cloths is assessed with an AATCC & SDC Grey Scale.

EQUIPMENT

Paramount digiCROCK Nx™ is an advanced Microprocessor based version of Crockmeter, which is operated automatically by a motor as per standard requirements. It has an aerodynamic design with customer friendly features. It consists of the Main Unit having an Oscillating Arm with a Finger, which Rubs over the Test Specimen under a specified Load over the Test Specimen.

The rubbing finger is cylindrical in shape and has a flat base, which is covered with a piece of standard white Crocking cloth which picks up the color lost by the test specimen. The Crocking cloth is held over the finger with the help of a Stainless Steel Spring Clip. Motion to the finger is given by the Oscillating arm, which runs on Teflon rollers to minimize friction and to give uniform load on the finger. The Oscillating arm is moved with the help of a Geared motor with instant braking (specially developed By paramount R&D Center). A three-digit Pre-set microprocessor based counter is provided to enable the desired number of rubs up to maximum of 999 rubs.

The display comes digitally on the panel. The test specimen is held firmly over Standard abrasive paper (Emery Paper) with the help of Specimen Holder. The equipment is built on a fine wooden base to give the stability and rigidity. The equipment is finished in fine metallic Blue paint.

SALIENT FEATURES

- Latest model electronic CrockMETER (Rubbing fastness Tester) used to determine the Colourfastness of Textile to Dry or Wet Rubbing as per AATCC & ISO Requirement.
- Latest ergonomic design with modern aesthetics
- Electronic Control feather touch control panel.
- Easy to use, Polycarbonate Dual Specimen Clamps for Fabric as well as Garment Testing.
- 22N weight extra load provided to test Rug & Pile Fabrics in British Standard.
- 25mm dia extra finger provided to test multi yarn bands & furnishing fabrics.
- Fully automatically operated having LCD Display.
- Specially designed acrylic clamp to test garments.
- Specially designed acrylic clamp to test on cut sample
- Complete with a host of accessories.
- Supplied with calibration & inspection certificates.

crockMETER Nx™ is supplied complete with below accessories.

Main Unit	: 01 No.
Finger (φ16mm fitted in the unit) – For All Fabrics and Textiles	: 01 No.
Finger (φ25mm) – For Furnishing Fabrics	: 01 No.



Spring Clips (For Finger φ16 mm)	: 02 Nos.
Spring Clips (For Finger φ25 mm)	: 02 Nos.
Crocking Clothes [5 Cms. x 5 Cms.] (Pack of 100)	: 05 Packets
Crocking Clothes [7 Cms. x 7 Cms.] (Pack of 100)	: 02 Packets
Blotting paper [10 Cms. x 10 Cms.] (Pack of 50 Nos.)	: 02 Packets
Dead Weight – To get the Load to 22 Newtons	: 01 No.
Fixing Bolt (For fixing Dead Weight – 22 Newtons)	: 01 No.
Flat Specimen Holder (Acrylic Plate)–For Garment Loose Fabric Testing	: 01 No.
‘U’ Shape Specimen Holder (Acrylic Plate)–For Cut Specimen Testing	: 01 No.
Dust Cover	: 01 No
Mains Lead with Plug	: 01 No..
This User’s Manual	: 01 No.
Calibration Certificate (Traceable to NPL)	: 01 No.
Inspection & Conformance Certificate	: 01 No.

TECHNICAL DETAILS

Diameter of the finger (For Fabrics & Textiles)	: 16 mm
Force on the Finger (For Fabrics & Textiles)	: 9 Newtons.
Size of Crocking Cloth	: 5 x 5 cm
Dia. Of the finger (For Furnishing Fabrics)	: 25 mm
Force on the Finger (For Furnishing Fabrics)	: 22 Newtons.
Size of crocking Cloth (For Furnishing Fabrics)	: 7 x 7 cm
Length of the Traverse of the finger	: 104 ^{±3} mm
Micro processor based counter	: 0 – 999, (Least Count : 1)
Overall Dimension of the Unit	: 725(L) x 305(W) x 305(H) mm 28.5”(L) x 12”(W) x 12”(H) Inch.
Net Weight of the Unit	: 28 Kg (61.6lbs)

RELATED STANDARDS

ISO 105

REFERENCE STANDARDS

BSEN 20105
BS 1006
M&S C8
AATCC 8



Corporate Member



An ISO 14001 : 2004 Group
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Member : Bureau of Indian Standards