

Fabric Streak Analyzer

Analyzes for Moiré, Machine Barré and Streaking



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APPLICATION

The Fabric Streak Analyzer is a quality control device for rapidly determining common textile manufacturing defects: Moiré, Machine Barré and Streakiness.

The Fabric Streak Analyzer produces an accurate impression in clear plastic film of the test specimen. This allows easy analysis without the confusion of color or pattern for distinguishing between imperfections in fabric construction and streaking due to dyeing and finishing.

PROCESS

The platen surface is heated, warming a sheet of clear, optical grade polystyrene film. The fabric is then pressed into the film by compressed air acting on a rubber diaphragm, replicating the physical detail of the specimen. Impressions of a wide variety of woven and knit fabrics can be made using this method.

External streaking may be caused by physical imperfections in fabric configuration, spacing or yarn texture. Internal streaks, observed in the fabric but not in the replica, may be due to dye or intrinsic luster characteristics.

DESCRIPTION

Tests are conducted on a 20 cm x 28 cm (8 in x 11 in) highly polished chromium surface. Low density cartridge heaters with solid state temperature control are used to heat polystyrene film, preparing it for impressions.

A dial-type bimetallic thermometer is incorporated for visual checks of operating temperatures. Pressure is controlled using the air pressure regulator supplied with the instrument in conjunction with the pressure gauge and an electrically operated solenoid valve.

Facility supplied compressed air and tap water provide compression and cooling. Easy connection to these services makes the instrument portable.

The Fabric Streak Analyzer is shipped with all supplies needed to run an initial series of 50 tests.

FEATURES

- Portable and sturdy
- Solid State temperature control
- Tap water cooling
- Bimetallic dial thermometer
- Low density cartridge heaters to heat polystyrene film
- Air pressure gauge
- Electronically operated solenoid valve
- Supplies for 50 tests included

SPECIFICATIONS

Dimensions: 47 cm x 50 cm x 18 cm
(18.33 " W x 19.5 " D x 7 " H)

Maximum Specimen Size: 20 cm (8 ") wide

Weight: 27 kg (59 lbs)

Electrical: 230 Vac , 50/60 Hz, 5 A, Single Phase
Or 115Vac, 50/60Hz, 10A, Single Phase

Air Pressure: 138 kPa (20 psi) (minimum)

Water: Tap water and drain required

Providing confidence in standards based testing!



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