Textechno
textile testing technology

Cotton Control

COVASLIVE

Capacitive Evenness- and Count Tester for Slivers and Rovings

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Evenness- and Imperfection Testing

High irregularities of slivers or rovings can only be removed with large efforts in the spinning process. Therefore, the evenness and count of slivers and rovings have a strong influence on the final yarn quality and should be tested at an early stage.

Beyond the capacitive evenness measurement on the running sliver or roving, Textechno´s COVASLIVE also determines the count on both. Thereby it is perfectly suited to assure an optimum performance of the spinning machines.

The COVASLIVE can be operated as a stand-alone device on the production floor, as well as a testing instrument in the textile lab. In combination with Textechno´s STATIMAT DS, the instruments offer simultaneous measurement of all relevant quality parameters of slivers, rovings and yarns.

The operation of COVASLIVE is very easy. The sliver or roving end simply has to be inserted into the feeding rollers, passing the capacitive sensor. To facilitate the sliver feeding from a can, the COVASLIVE is equipped with an adjustable cantilever system, which also includes a holder for a roving. Per software the operator selects the requested testing functions, capacitive evenness and/or count, and starts the measurement with the push of a button.

During the evenness test the sliver or roving runs continuously through the capacitive sensor with an adjustable speed and length. The measured sample is cleared into an external waste box which is placed right beside the instrument.

The count of the roving or sliver is measured by means of an integrated high-precision balance. A freely-programmable sample length is conveyed onto the balance using feeding rollers and a built-in cutting device. The measured sample is then cleared into an internal waste box.

All tested data are stored in a database for repeated evaluation and printing.

Features

General

- Graphical and numerical results perfectly matching all accepted standards
- Easy-to-use software and machine for quick and simple operation
- Modular design for cost-effective investment
- Fully automatic operation
- Complete sliver/roving/yarn laboratory in combination with Textechno´s STATIMAT DS
- Multi-language Windows®-based software
- State-of-the-art electronics and superior mechanical solution

Measuring frame with

- Sensor unit for up to 8 ktex.
- Drive unit with slow-start
- Internal waste box
- Operating modes: Normal, 1/2 Inert, Inert (freely selectable length)
- Sample feeding speed: freely selectable from 5 - 50 m/min.
- Measuring range: 0.20 - 99.99 % (U % / CV %)

Technical data

Power supply

Power supply: 230 V, 50 (60) Hz

Compressed air supply

Air pressure: 6 bar

Capacity: Approx. 80 l/min

Dimension & weight

Height: 1350 mm (1950 mm with cantilever beam)

Width: 600 mm (1500 mm with cantilever beam)

Depth: 600 mm

Weight: 145 kg

Lacquer finish: RAL 9006 / 5002

The above technical contents can be subject to changes by Textechno.

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THE TEXTECHNO GROUP

Textechno Herbert Stein GmbH & Co. KG
D-41066 Mönchengladbach, Germany
www.textechno.com

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Your reliable partners for
quality improvement

Lenzing Instruments GmbH & Co. KG
A-4851 Gampern, Austria
www.lenzing-instruments.com

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