

FRICION MEASURING SYSTEMS

CHEMISTRY
TECHNOLOGY
COMPETENCE



TECHNICAL DESCRIPTION

The graf Friction Measuring Systems are powerful and easy to handle tools, which allows friction measuring of sewing threads and embroidery yarns. It provides detailed results in respect to the surface and friction behavior of the yarn to be tested.

Due to its simple, software-based handling, the graf Friction Measuring Systems are perfectly suited for both, research and quality control.

The **graf Friction Measuring System CPF** device is equipped with a sewing machine yarn break.

The **graf Friction Measuring System CPF-CTC** device is equipped with a yarn roller tension break.



TECHNICAL SPECIFICATIONS

- *Yarn draw-off device including a yarn reel*
- *Draw-off speed rang from 1cm/min (stick slip) up to 50m/min*
- *Tension Measuring Head with a measurement range up to 1000cN*
- *Includes a bobbin support and a Fournisseur - feed wheel unit for tension free yarn feeding*
- *USB-linked A/D converter for connecting the Tension Measuring Head with a computer*
- *Includes the Measuring Software **grafLab**, suitable for Windows®*

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FRICION MEASURING SYTEM Software grafLAB

The **grafLab** Software has been specially developed for the friction measuring of yarns. Running on Windows®, this program is very simple to operate and offers powerful analysis and evaluation tools such as:

- Calculation of average, minimum and maximum values
- Wavelength and zoom functions
- Multiple, separate measurements on the screen
- Function buttons for quick operation
- Easy to handle file browser
- All measurements can be labeled with individual notes
- Printout and screencopy export functions for transferring data and screenshots to other programs such as Word for Windows®
- An individual company logo can be embedded

