OPUMETER

LENZING INSTRUMENTS

ONLINE SPIN FINISH TESTER

Would you like to be able to control the OPU/FOY content on the running yarn, but you are not prepared to make the investment needed for a complete online system?

With **OPUMETER**, filament producers have the possibility to get quick feedback about the OPU/FOY on each thread online.

OPUMETER is a handheld and easy to use measuring tool, which gives the operator the needed information within seconds. The sophisticated design allows for comfortable and ergonomic measurements.

The read data are either communicated via bluetooth connection to a laptop or an industrial tablet. Thorough analysis possibilities of the measurement data are offered by the **OPUMETER** software.

In comparison with conventional laboratory testing of the OPU / FOY, **OPUMETER** reduces the time gap between the actual production and the quality control process, meaning quicker reactions to production malfunctions as well as less downgraded goods. Moreover, the online measurement enables immediate detection of short time deviations, thereby indicating possible problems with air bubbles, faulty pumps or applicators.

FILAMENT TESTING

OPUMETER

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Scope:
Online determination of the current Oil Pick Up (OPU%) or Finish On Yarn (FOY%) with a handheld testing instrument for partly and fully oriented yarn.

Method:
By means of conductivity based technology, the relative spin finish content of the running yarn is determined by positioning the handheld instrument in such a way that the filament is detected by the sensor. Thereafter, a button is pressed to initiate the measurement according to previously set parameters such as measurement duration, tolerance limits etc.

Results:
The measurement results are communicated and visualized either via bluetooth connection to a laptop or a tablet. Thereafter, the measurement results can be analyzed using the **OPUMETER** Evaluation Software.

Spin finish range:
0.05 - 3.00 %

Titer range:
Up to 6000 dtex

Display of results:
Via industrial tablet or laptop
Status display via LED to indicate communication, operation mode, etc.

Possible parameter entries:

- Line
- Position
- Product
- Remarks
- OPU value calibration
- Measurement duration from 1 second up to 60 minutes
- Timebased or manual mode

Sample rates:
1.600 measurements/sec.
(1.6 kHz)

Operation system:
Windows® based

Data storage:
Data storage of laptop and tablet depends on the respective hard disk capacity

Ambient temperature:
20 - 50 °C

Relative humidity:
max. 90 %, not condensing

External charging device:
100 - 230 VAC; 50/60 Hz
Charging time: approx. 2 h
Measuring time: approx. 2.5 h

Dimensions handheld measurement unit:

Height:	260 mm
Width:	90 mm
Depth:	30 mm
Weight:	350 g

Dimensions industrial tablet:

Height:	147 mm
Width:	235 mm
Depth:	22 mm
Weight:	900 g

Optionally available:

- USB C connector for external power supply

Technical data and pictures are subject to change.

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