



ANDRITZ

PulpEye Fiber Properties Analyzer

PulpEye FIBER PROPERTIES ANALYZER

**Faster calibration of online
consistency sensors**

ANDRITZ

PulpEye for faster calibration of online consistency sensors

The PulpEye consistency module answers customer needs for faster measurements and calibration of sensors for different process streams. The method is particularly suitable for measurements of low consistency streams, e.g. in paper and board machines' stock preparation departments.

Previously, there was no quick way to measure consistency of different fiber streams for calibration of consistency sensors. Usually the measurements are done manually, which takes time and the result may be influenced by how the measurement is done. Manufacturers of any kind of paper and board will benefit from using consistency module for quick and accurate calibration of consistency sensors.

RELIABLE CONCENTRATION DATA IS A BASIS FOR STABLE QUALITY

Correct concentration data gives full control regarding mass balance of stock preparation flows and ensures good balance of the white water system.

RELIABLE CALIBRATION OF CONSISTENCY SENSORS

The solution provides precision of +/- 0.2% or better.

A QUICK CALIBRATION PROCEDURE

A consistency calibration in a flow takes only 2 minutes instead of earlier typically 40 to 60 minutes for existing laboratory methods.

NO ROOM FOR HUMAN ERRORS

The measurement result is independent of who does the calibration, which contributes to quality secured product properties.

EASY TO CALIBRATE

Easy to calibrate with laboratory samples verified against ISO/TAPPI laboratory standard. No need for oven dried samples.

PulpEye – CONSISTENCY MODULE

PulpEye Fiber Properties Analyzer consistency module is used for calibration of consistency sensors in flows in the interval up to 7 % solid content. It is a quick process and no laboratory work is needed at start-ups and calibration.



The concentration module is the heart of consistency module.

OPERATION

ConsistencyEye is based on the integrated concentration module in the PulpEye Fiber Properties Analyzer base unit, a balance and a special software.

CALIBRATION

When the ConsistencyEye module is installed, concentration curves for each consistency sensor has to be done. This is because the mixture of fiber and other components, and hence the concentration levels, are different in different flows. The calibration curve for each sensor is automatically stored by ANDRITZ.

OUTPUT

- The concentration value for each consistency sensor
- As data are stored, trends for each consistency sensor are shown

CONSISTENCY MODULE PACKAGE

- Consistency module balance
- Software
- All parts are installed into the PulpEye Fiber Properties Analyzer base unit
- Training



Consistency module is a quick way to measure consistency of different fiber streams for calibration of consistency sensors.

GET AN OVERVIEW
PulpEye Fiber
Properties Analyzer





CONTACT US FOR MORE INFORMATION

Advancing autonomous operations is our vision and is becoming an integral part of industrial processes. ANDRITZ is at the forefront of this transformation, leveraging digital innovations along with deep operational and technical expertise to improve process efficiency, quality management, and production reliability and availability.

We focus on developing autonomous pulp mills and process optimization, to support efficient and sustainable operations by combining automation, electrification, intelligent instrumentation, and digitalization to create measurable value throughout the full life cycle and the entire value stream.

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