



PulpEye FIBER PROPERTIES ANALYZER

Brightness module

ANDRITZ

Brightness module for reliable frequent brightness data

The brightness module is a pulp brightness module working according to TAPPI/ISO standards.

The demands on pulp and paper quality have increased over the years. With the varying supply of wood in today's mills keeping an eye on the final pulp brightness have become increasingly important. To maintain an even and correct brightness has a big impact on the cost of chemicals and needs to be monitored to keep cost down. This reliable and frequent quality inspection enables the pulp manufacturer to control and optimize the pulp quality. Data from the brightness module can be used for quality inspection, fault detection, bleaching chemicals control, product development or quality assurance for customers.

BLEACHING CHEMICAL CONTROL

The brightness module quickly detects variations in the brightness for better controls and lower cost.

REPLACING TIME CONSUMING LAB TESTING

With a high frequency of testing, the brightness module will provide reliable and frequent results reducing the need for time consuming lab testing.

DRY SAMPLE PROCESSING

The brightness module will measure on a dryformed pad to minimize the effects of water color and other unknown factors.

MARKET PULP PRODUCERS

Continuous monitoring of the brightness of the final pulp before the pulp dryer minimizes the risks for downgrading of pulps.

EARLY DETECTION BEFORE PAPER MACHINE

Problems with varying brightness can be detected already in the pulp mill and dealt with before reaching the paper or board machine. This speeds up the possibilities to solve or eliminate many quality problems, including off grade.



The brightness module is integrated in the PulpEye Fiber Properties Analyzer cabinet.

PulpEye – BRIGHTNESS MODULE

Data from the brightness module can be used separately or combined with data from other PulpEye Fiber Properties Analyzer modules like Fiber and CSF information to frequently and accurately classify the pulp quality.

OPERATION

The brightness module is integrated into PulpEye Fiber Properties Analyzer as a separate module. The module automatically forms and dries the sample pad before testing.

The module can easily be controlled from the PulpEye Fiber Properties Analyzer interface.

FUNCTIONS AND FEATURES

The brightness module measures the ISO brightness of the sample. The system is calibrated to standard ISO brightness targets for accuracy.

OUTPUT

- ISO brightness

MEASURING RANGE

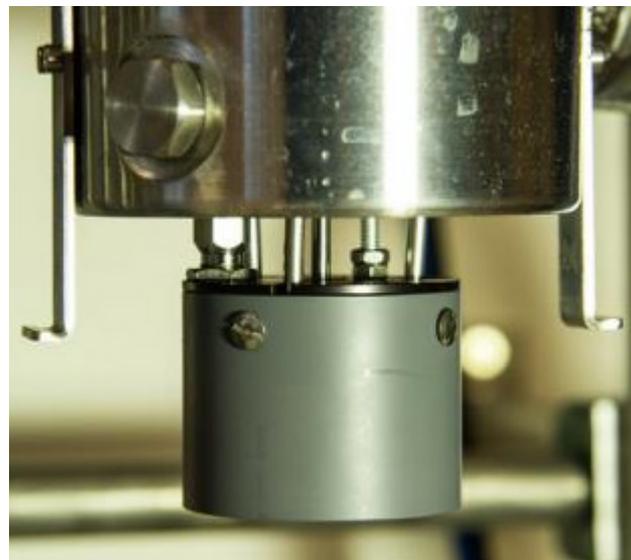
- ISO 25 – 95

PARTS

- Measuring head including LED light sources
- Electronics box including spectrophotometers
- All parts are mounted into the PulpEye Fiber Properties Analyzer base unit



The brightness module is using spectrophotometers for spectral analysis.



Measuring head.

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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