

## MRP - Messen Regeln Prüfen Automatisierungstechnik

### Description



### MRP-ST LAB COL 2015 - Color measurement for MRP-Schnettler automatic test line

#### Color measurement for the MRP-Schnettler test line

The laboratory color measurement is performed in the automatic test line of MRP-Schnettler with the device MRP-ST LAB COL 2015. The color of paper and cardboard is an important quality parameter. MRP-Schnettler offers a colorimeter for precise measurement of color, brightness, opacity, yellowing and whiteness of pulp, paper and board webs for paper production.

#### Features / Characteristics

The color measurement integrated in the automatic test line is characterized by the following features:

- non-destructive
- Dual beam method with UV filter for evaluating the UV components

#### Physical principle

For colour measurement, a spectrophotometer is used, which is in perfect compliance with the ISO standards ISO 2469 and ISO 2470 commonly used in the pulp and paper industry, with a d:0° measuring geometry (diffuse illumination:0° observation) with gloss exclusion (SCE) and a fixed 30mm measuring aperture as prescribed in the ISO paper standards 2469 and 2470.

#### Measurement accuracy:

Type	MRP-ST LAB COL DC
Spectral measuring range	360-700 nm
Internal resolution	2nm
Measurement opening	30 mm
Light source	Pulsed Xenon flash lamp filtered to about D65
Measurement geometry	Diffus 0°
UV blocking filter	420 nm

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