

# SpectraVis

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SYSTEMHAUS



SpectraVis

## The measuring system

is a 2 canal Spectrometer for the quick colour measurement / colour recognition in different surfaces and parts. The measuring value capture occurs without touch in the moved goods roads. The device is conceived for the application under production terms. A compact construction method allows the integration in customary process systems and control systems. Therefore a colour measurement also poses no more problem at hardly accessible places. Spectral data or colour values can be already calculated in the device. An undisturbed company is guaranteed by the absence of movable components.

## The advantages

- quick reacting to colour divergences
- less committee
- shorter approach times of the machines and quickened manufacturing
- no costly test withdrawal and evaluation in the lab
- a complete high-class control by an objective and reproduceable measuring procedure
- automatic measuring expiries and Kalibration
- the automatic documentation of all colour-metrical dimensions and divergences also within the scope of certifications

## The operational areas

- Foil production or Einfärbeprozesse
- Manufacturing plastic parts and tins
- Control of coating states and spraying processes
- Paper production and pressure control in packaging
- Granulate materials and piece property Textile Goods show and Continue-Färbeprozesse
- Colours and varnish
- Measurement in glass and ceramics
- Recycling

## Measuring technology

### Measuring principle

Zweikanalspektrometer

### Measuring geometry

45 °/0 °

### Monochromator

Diodenarray and holografisches declension grid

### Source of light

Xenoblitz

### Measuring time

<1ms

### Spectral range

380-730nm in 5 or 10nm steps (5nm optionally)

### Measuring area

0% to 200% of reflexion

**Measuring distance**

50 mm +/-5 mm

**Measuring spot**

10 x15mm

**Mass**

280 x 225 x 110 mm

**Weight**

approx. 5 kg

**Temperature area**

0 - 50°C

**Electricity supply**

24 V / approx. 10 W

**Interface**

RS232C serial interface

**Abilities for reproduction****Short time**

<0.03 E\* CIELab, in the average more than 12 BCRA tiles

**Interinstrument**

typically 0.2 E\* CIELab, in the average more than 12 BCRA tiles

**Accessories (optionally)**

Integrated temperature measurement

Traverse with software

**Software****Calculation and representation of the colour co-ordinates**

CIE L\*a\*b \*, L\*C\*h \*, XYZ, xyY

**Colour differences**

E \*, Ecmc, E94

**Light kinds**

A, C, D65, D50, F1. F12

**Observer**

2 ° and 10 °

**Other**

Put in from customised orders

freely eligible graphic and numerical representation

Announcement of passport / Fail-Entscheidungen

Average calculation and statistical evaluation

comprehensive data bank function

integrable in linked up company expiries

Data export functions and e-mail binding



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