

SpectraVis

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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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Mitglied der



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