ApplicationsInformation MCS500 ColourMeasurement

Process Monitoring on Vacuum Coating Plants





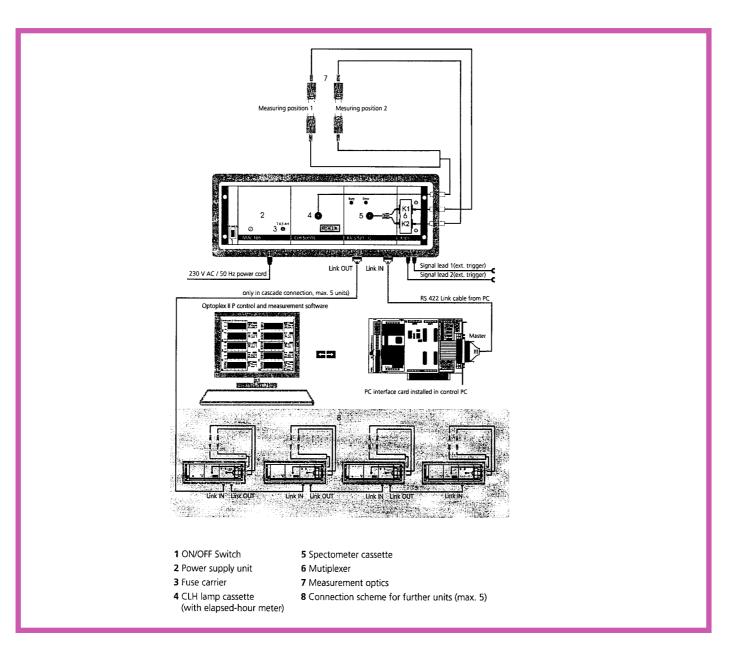
〒164-0011 東京都中野区中央4-4-5第一小林ビル Tel: 03-5328-2858 Fax: 03-5328-2859

Process description

OPTOPLEX is a new measurement and analysis system for the use in vacuum coating plants. it allows non-contact and destruction-free measurement of spectral transmission and colour data both in and outside vacuum plants. Measurement and analytical results are suitable as proof of quality and serve for process optimisation. OPTOPLEX II P is customised for transmission measurements in vacuum. Measurements are taken on architectural glass, butalso on car window panes, displays, acryllic glass or plastic films. The systems provides measurement og single and multi-layer coatings.

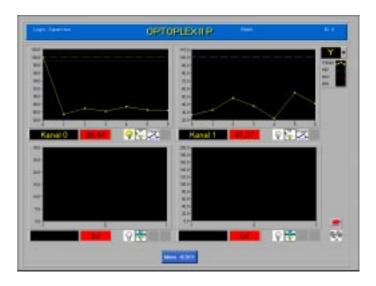
System description

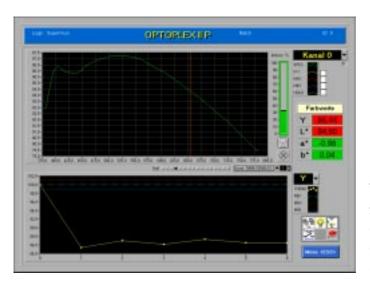
The system serves for quality control in glass coating processes inside vacuum chambers. It collects the data of a transmission measurement carried out by the system itself in the running production process and displays the results graphically and numerically on the screen of the control computer.



The software allows display of spectra or of the trends of one or several measuring stations.

The system determines the transmission for different standard illuminants (A, C or D 65) and viewing angles (2° or 10°).





The program can handle up to 10 measuring stations. The measured spectral curves are converted into the corresponding CIELAB data considering the selectable standard illuminants and viewing angles.

Specification

Measuring range Resolution acc. to Rayleigh Spectrometer Source Colour data Standard illuminants Presentation 380 ... 900 nm 10 nm Diode array spectrometer Halogen lamp Y, L*, a*, b* (CIELAB) A, C, D 65 Spectral curves, different presentation modes for trend analysis

Subject to technical alteration

263259-7563.161



Carl Zeiss OEM - Spektralsensorik D-07740 Jena Phone +49 36 41/ 64 28 38 Fax +49 36 41/ 64 24 85 e-mail: mack@zeiss.de