CORONA PLUS REMOTE

Tuned by Carl Zeiss

Product description

CORONA PLUS REMOTE is a complete spectrometer system available in a single-beam or dual-beam configuration. The measuring heads are connected to the front of the CORONA PLUS REMOTE sensor unit using fiber optics. On the dual-beam instrument, the connections for the measuring and reference channel are connected also to the front. The computer required for the evaluation can be connected via the ethernet interface. Both versions of the instrument run on 12 to 24 V DC. Furthermore, an external illumination source for the measuring heads can be connected via a 5 or 10 V output.

Areas of application

CORONA PLUS REMOTE is used to measure optical properties such as reflectance, transmission, color and coating thickness. These instrument systems have been designed for complex and fast measurements in quality and process monitoring under industrial conditions. Robust and extremely reliable, they are ideal for monitoring the production of architectural and automotive glass, plastics and coatings and the manufacture of solar cells. Furthermore, CORONA PLUS REMOTE is the system of choice for all applications in which speed and performance count.

The next generation in the compact class

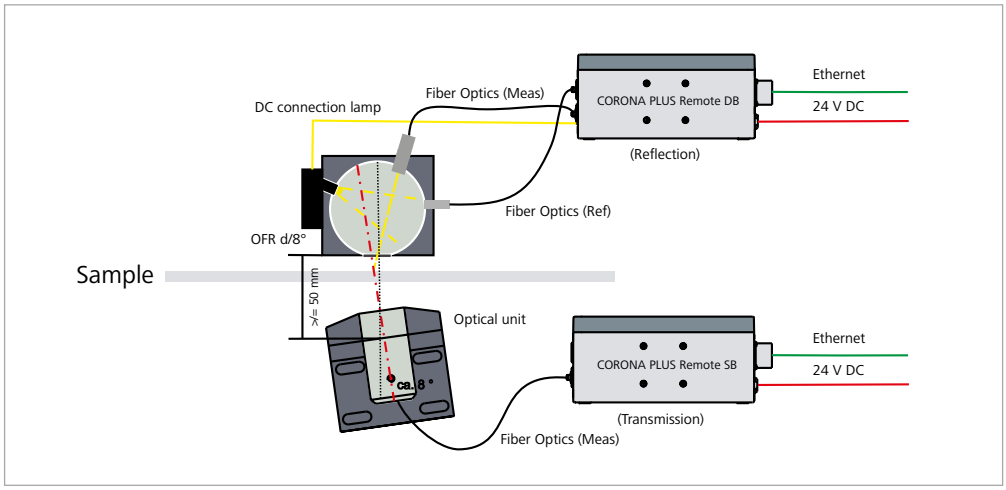
ZEISS

We make it visible.

Technical Specifications

	CORONA PLUS REMOTE VIS DB	CORONA PLUS REMOTE VIS SB	CORONA PLUS REMOTE VIS-NIR 1.7 DB	CORONA PLUS REMOTE VIS-NIR 1.7 SB	CORONA PLUS REMOTE VIS-NIR 2.2 DB	CORONA PLUS REMOTE VIS-NIR 2.2 SB
	available with 5 V or 10 V measuring head power supply					
Spectrometer	Double-beam diode array	Single-beam diode array	Double-beam diode array	Single-beam diode array	Double-beam diode array	Single-beam diode array
Polychromator	2 x MMS	MMS	2 x MMS 2 x PGS	1 x MMS 1 x PGS	2 x MMS 2 x PGS	1 x MMS 1 x PGS
Measurement range	310–1100 nm	310–1100 nm	310–1690 nm	310–1690 nm	310–2150 nm	310–2150 nm
Mean Spectral Pixel Pitch	3 nm	3 nm	3 nm	3 nm	6 nm	6 nm
Spectral resolution	≤ 10 nm	≤ 10 nm	≤ 10 nm	≤ 10 nm	≤ 18 nm	≤ 18 nm
Wavelength accuracy	≤ 1 nm	≤ 1 nm	≤ 1 nm	≤ 1 nm	≤ 1 nm	≤ 1 nm
Wavelength reproducibility	≤ 0.1 nm	≤ 0.1 nm	≤ 0.1 nm	≤ 0.1 nm	≤ 0.1 nm	≤ 0.1 nm
Light source	extern	extern	extern	extern	extern	extern
Internal protection standard	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65
Dimensions	330 x 230 x 110	330 x 230 x 110	330 x 230 x 110	330 x 230 x 110	330 x 230 x 110	330 x 230 x 110
Weight	6.2 kg	5.5 kg	7.0 kg	6.2 kg	7.0 kg	6.2 kg
Range of operating temperature	5–45 °C	5–45 °C	5–45 °C	5–45 °C	5–35 °C	5–35 °C
Supply Voltage	9–36 V	9–36 V	9–36 V	9–36 V	9–36 V	9–36 V
Power Power Supply	12–24 V ⎓ SELV	12–24 V ⎓ SELV	12–24 V ⎓ SELV	12–24 V ⎓ SELV	12–24 V ⎓ SELV	12–24 V ⎓ SELV
Light guide connection	2 x SMA 905	1 x SMA 905	2 x SMA 905	1 x SMA 905	4 x SMA 905	2 x SMA 905

Example application combined reflected and transmitted light measurement
(No. DE 10010213A1)



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