

Process spectrometer Memosens Wave CKI50

Memosens Wave spectrometer for color measurement in the Food & Beverage, Chemical and Life Sciences industries



More information and current pricing:

www.endress.com/CKI50

Benefits:

- **Compact design:** Determination of color across the entire color spectrum with just a single device.
- **Easy commissioning:** Thanks to Memosens technology and the Liquiline transmitter, installation is quick and easy. No calibration required, only a reference spectrum of the zero point has to be recorded.
- **Robust color measurement:** Highly repeatable and long-term reliable color measurements even in demanding process environments, thanks to a high resistance to water ingress and vibration as well as higher temperatures.
- **Safe and efficient process control:** The hygienic design ensures products are made safely. By checking the color directly in the process, product loss and potential health risks to consumers can be prevented

Specs at a glance

- **Measuring range** L: 0 to 100 a: -150 to 100 b: -100 to 150
- **Process temperature** -20 to 60 °C (-4 to 140 °F) 60 to 140 °C (140 to 284 °F) with water cooling
- **Process pressure** 0.5 to 10 bar (7.3 to 145 psi) (absolute)

Field of application: Memosens Wave CKI50 impresses with its compact design, which allows the spectrometer to provide reliable and fast color control directly in the process. At the same time, the process spectrometer ensures hygiene and material standards in accordance with the specifications of the food industry. Thanks to a preset color model

and the connection to a Liquiline transmitter, commissioning is very easy and you benefit from stable measurements.

Features and specifications

Concentration

Measuring principle

Absorption

Application

Color measurement CIE Lab

Measuring range

L: 0 to 100

a: -150 to 100

b: -100 to 150

Material

Measuring head: 1.4404/AISI316L

Window: Sapphire

O-rings: FFKM

Gasket seal: PEEK

Process temperature

-20 to 60 °C (-4 to 140 °F)

60 to 140 °C (140 to 284 °F) with water cooling

Process pressure

0.5 to 10 bar (7.3 to 145 psi) (absolute)

Ex certification

ATEX/IECEX II 1/2G Ex ia op is/db [ia Ga] IIC T6...T3 Ga/
Gb

Ingress protection

IP 69 (NEMA 6P)

More information www.endress.com/CKI50