CR100 Range

Senware

Cost effective colour management system utilising the latest solid state white light LED technology.



Making sense of colour

www.senware.co.uk

The Smart Colour Sensor



White light true colour measurement sensor

The CR100 range uses the latest solid state white light source to illuminate the product to be measured.

This enables accurate real-time on line measurement of colour, enabling the user to keep the process within the desired parameters. All from the sensor no processor required. Can be configured by connection to PC or via optional operator Interface.

Colourspace Output

A variety of colour space outputs are available. The colour can be viewed in the widely accepted CIE L* a* b* , or other common colour spaces. Analogue outputs (user selectable 0-5V , 0-10, 4-20mA , 0 -20mA) can be taken for each constituent (Bus Outputs optional). Configured by connection to PC or optional operator interface.

Simple, easy, reproducible results

- Bright touch screen LCD for set up
- Rugged construction
- Simple to use
- Analogue/Bus Outputs

Ease of Setup

The CR100 range makes what seems to be a complex measurement easy to understand and use via a simple touch screen user interface.

Accurate, reliable colour measuring across a variety of products

Food Products

- Potato Crisps
- Corn Snacks
- Tortillas
- Sugar
- Peanuts
- Breakfast Cereals
- Pasta
- Biscuits
- Coffee

Foils and Films

- Coating Consistency
- Finished Product

Aggregates

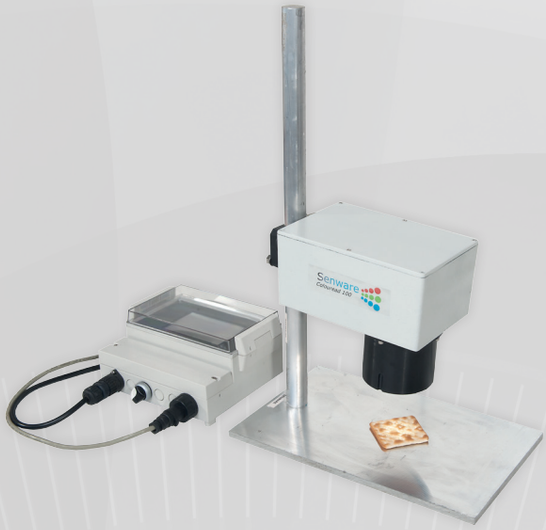
- Bricks/Blocks
- Slabs

Chemicals/Minerals

- Detergents
- Ores
- Ceramic Powders

CR100

The CR100 is rugged, simple to use and highly reliable on line colorimeter.



Key features:

- Product pass height compensation
- Bright touch screen LCD for set up
- Rugged construction
- Simple to use
- Analogue/Bus outputs

CR100LG

With the CR200LG samples, straight from the production line can be placed in the sample dish and a simple touch of the button initiates the test. In less than 10 seconds, the measurements are displayed and the unit is ready for the next sample.



Key features:

- Bright touch screen LCD above sample area
- Programmable turntable automatically rotates
- Rugged construction
- USB for data download to memory stick

CR100HH

Utilising the technology of the previous two, the CR100 Hand held is revolutionary colour monitoring device to use on the go.



Key features:

- Bright touch screen LCD for set up
- Compact, light weight and portable
- Rugged construction
- Simple to us
- ΔE* / ΔH* data analysis
- Internal Data Storage / Product Setup
- Download Data to PC via USB , Export Data to Excel
- Long Life Battery / USB rechargeable.

General Specifications CR100 Series

Measurement ..... Colorimetric

Light Source ..... White Light LED 6500K (D65) standard

Geometry .....O° Measure 20° Illumination

Resolution ..... 12 bit A-D

Repeatability 0.0244%

Fast Gating option .... Greater than 300 readings/ second Internally

Measured Colour Constituents..... L* , a* and b* simultaneously (other scales available)

Ambient Temperature ..... 0 - 60°c

Nominal Product distance .....200 mm

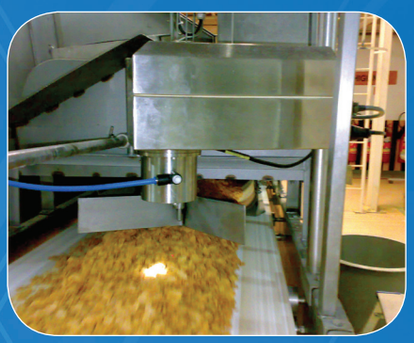
Product Height compensation..... +/- 20mm (Product dependant)

Power ..... 90-240 VAC 15 watts

Outputs ..... Analogue 4-20mA , 0-10V Digital RS232/485, Ethernet, Bus Outputs available

Interface ..... LCD 5” Touchscreen as standard







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