

CR100 Range

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

Senware 

 M.C. TEC



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 Out puts optional). Configured by connection to PC or optional operator interface.

Simple, easy, reproducible results

- Bright touch screen LCD for setup
- Rugged construction
- Simple to use
- Analogue/ Bus Out puts

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

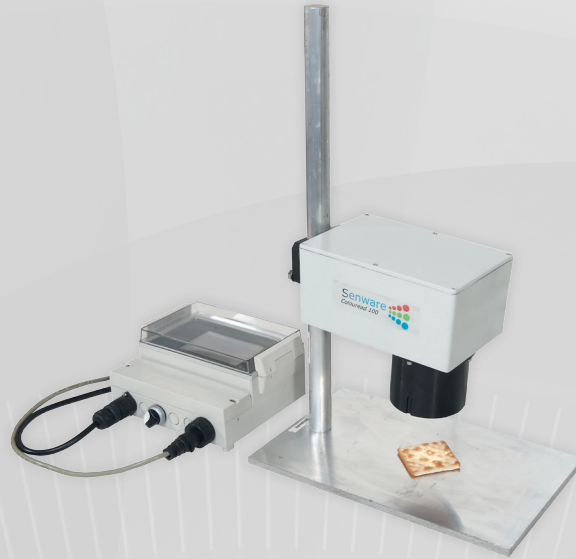
- Detergents
- Ores
- Ceramic Powders

CR100

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

Key features:

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



CR100LG

With the CR200L G 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 HH and held is revolutionary colour monitoring device to use on the go.

Key features:

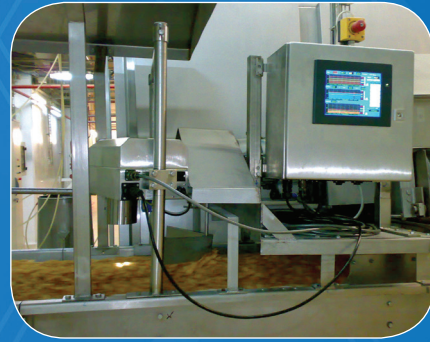
- Bright touch screen LCD for set up
- Compact, light weight and portable
- Rugged construction
- Simple to use
- ΔE^* / ΔH^* data analysis
- Internal Data Storage / Product Setup
- Download Data to PC via USB, Export Data to Excel
- Long Life Battery / USB rechargeable.



General Specifications

CR100 Series

Measurement Colorimetric
Light Source White Light LED 6500K (D65)
standard
Geometry 0° 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



Sales and service benelux

M.C. TEC
Distributiestraat 73
4283JN Giessen, Netherlands
Phone: +31 0183 445050
www.mctec.nl | info@mctec.nl

www.senware.co.uk