



COLOUR CONTROLLER CC3

Online flour colour and ash monitoring system



Overview

- Identification of ash drifts and dark spots, milling control
- Calibration after % - ash content
- Internal registration over 48 hours
- Simple installation into available running pipes

Applications

The *Colour Controller CC3* is suited for the following applications:

- Evaluation of flour color for ash supervision
- Registration of dark spots in flour for error detection

Function

In a measuring pipe of arbitrarily diameter there is a brightness sensor. The flour which passes the sensor is scanned continuously and compared with an offset colour. The degree of brightness is amplified and evaluated electronically.

Products

Any type of flour may be used as product.



Construction

The *Colour Controller CC3* consists of housing with in- and outlet pipe, control lid, optical sensor, offset calibrator, and electronic evaluation. The housing is dust-tight. It is assembled in the outlet pipe of the flour collecting screw, in an angle of 50 ° – 80 °.

Sizes

The following sizes are available:

Type	Pipe diameter	Max. capacity approx.
CC3.120	120 mm	12 m ³ /h
CC3.150	150 mm	24 m ³ /h
CC3.200	200 mm	50 m ³ /h

The housing is made of stainless steel, inlet and outlet are round.

Integration

The unit is integrated with flared pipe end. The pipe must be assembled so that the flour flow permanently covers the light cone of the sensor.

Calibration

The measuring signal is processed by an electronic amplifier, averaged and continuously displayed in ash-%. A simple re-calibration according to laboratory parameters is possible at any time. Standard calibration curves for wheat and rye are stored in the evaluation electronic.

Evaluation electronic type FE128

- Available for panel mounting (24 V DC) or inside wall housing (230 V AC)
- Can be installed independent from the weighing unit
- With LCD-display and keypad
- Display of measuring value
- Measuring value is controlled by two limit values with switchable output
- Analogue output of capacity (0-10 V), 4-20mA optionally
- Graphic registration over 48h
- 10 product-specific calibrations possible
- RS232/485-interface, Profibus optionally

Due to our policy of continuous development, given specifications and data are subject to change.