

COLORCONTROL

System for continuous on-line color monitoring for coarse and fine-grained products, powders, pastes and liquids.



The decisive advantages:

- contactless measurement
- excellent reproducibility of the measurement results
- printer and logger output as a standard feature
- no interference from outside light sources
- adjustable sensitivity and reference point
- option of graphic display and recording as well as process control functions

Mode of operation:

The COLORCONTROL measuring head contains an opto-transmitter, a photo-detector and an evaluation electronic module.

The product is moved under and past the measuring head and is illuminated by monochromatic laser light. The share of this light reflected by the product is detected and electronically evaluated. Uneven product surfaces are compensated by averaging.

Different surface gloss of the product is largely suppressed by optical measures.

The measured value is indicated on a digital display and is also output as both an analogue and a digital value for further processing.

The constant stream of measured values can be recorded with the aid of a continuous-line recorder or a printer.

Technical Data: Measuring Head

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|------------------------|---|
| Housing | : aluminium diecasting, protective enclosure IP 65 |
| Dimensions | : 400 x 230 x 110 mm (w x h x d) |
| Weight | : approx. 8,7 kg |
| Power supply | : 220 V AC, 50 Hz, $\pm 10\%$ (Other voltages available on request) |
| Power consumption | : 8 VA |
| Measurement indication | : digital, number height 13 mm |
| Display range | : 2000 scale divisions |

| | |
|---------------------|--|
| Analogue output | : voltage 0...5 V, uncalibrated |
| Digital output | : multiplexed BCD, parallel by bit, serial by character |
| Sensitivity | : adjustable |
| Reference point | : adjustable |
| Measuring principle | : reflection measurement, monochromatic |
| Light source | : infrared-laser |

We reserve the right to effect technical changes without prior notice.

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