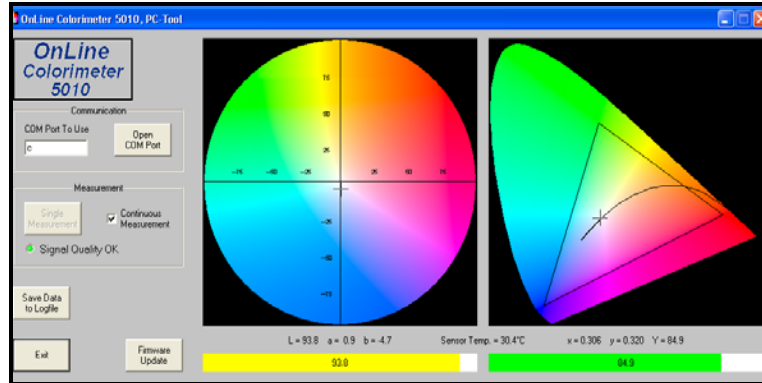


PRODUCT INFORMATION

On-line CIELAB Colorimeter

MODEL 5010



LOW COST COLORIMETER

New small size, low cost colorimeter designed for on-line color measurement. Sensor operates at temperatures up to 130-degrees F.

Some important features

- Accurate Low Cost OnLine Colorimeter.
- Reads CIELAB values.
- Small size 5-inch diameter by 8-inches tall.
- Reads large 80mm diameter spot
- Distance up to 5-inches above line.
- High speed reads 5 measurements per second.
- Several instruments can be "Daisy-chained" on the same RS-485 line.
- Estimated 12 year life light source.
- Air cyclone curtain to keep contaminants out of instrument.
- Ambient light correction.
- Operates up to 130-degree F.

OnLine Color 5010

Instrument to Measure Color On-Line

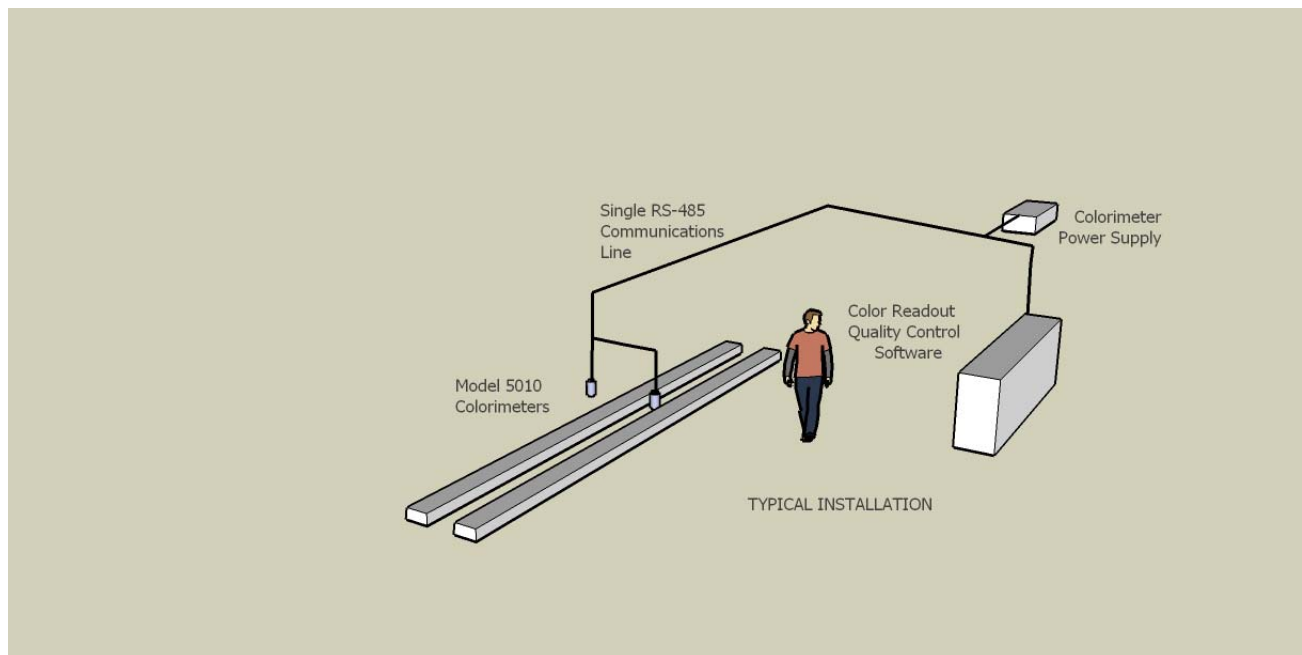
SPECIFICATIONS

- d/0 (Wide area illumination/0 degree read geometry).
- Reads Specular component included (SCI).
- Illuminate "D65" with 2° observer.
- 400-700nm visible range.
- Color values closely matches CIELab 1931.
- Output CIELab, Chromaticity and Tristimulus values.
- Long life LED illumination light source ~ 12 years.
- Operating range 10°C to 55°C (50°F to 130°F).
- Inter-instrument agreement better than +/-0.45 dE.
- Repeatability +/-0.1dE on white calibration plate.
- Stability 24 hours +/- 0.16dE.
- Calibrated distance for CIELab 70mm (2.75-inches).
- Distance to sample 25 to 122mm (1 to 5-inches).
- Measurement spot 80mm diameter.
- Factory calibration distance 2.75-inches.
- Ambient light corrected out of color reading.
- Measurement rate 5 readings a second.
- Display rate 1 per second (averages 5 readings).
- Communications via RS232 or RS485.
- Sensor to Computer distance up to 1219m (4000 ft).
- Air curtain keeps contaminants out of instrument.
- Stainless steel housing
- Optional
 - Application specific software.
 - Distance gauge for irregular height objects.

SYSTEM CONSISTS OF:

- The 5010 online sensor.
- White calibration tile.
- Low voltage power supply.
- A RS485 communications line (16-ft).
- Color Quality Control Software.

TYPICAL INSTALLATION



Includes one-year software upgrades no charge. One-year software and applications support by telephone no charge. Applications support after first year available. Extended warranty available. **Specifications subject to change without notice.**

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