

**On-line CIELAB Colorimeter**

**MODEL 5010 LOW COST SMALL SIZE ON-LINE COLOR METER**



**ONLINE COLORIMETER**



**TREND SOFTWARE**

**PAPER MACHINES  
RUBBER SHEETS**

**DECKING  
WALL BOARD**

**VINYL SIDING  
PAPER BOARD**

- Reads large 2.75 inch diameter spot
- Self-Calibrating every reading.
- Reads 5 readings second CIELAB values.
- Size 5-inch diameter by 8-inches tall.
- Distance up to 2, 5-inches above line.
- Several instruments can be "Daisy-chained" on the same RS-485 line.
- Estimated 12 year life light source.
- Air curtain to keep contaminants out of instrument.
- Ambient light correction.
- Operates up to 130-degree F.

**TYPICAL SYSTEM:**

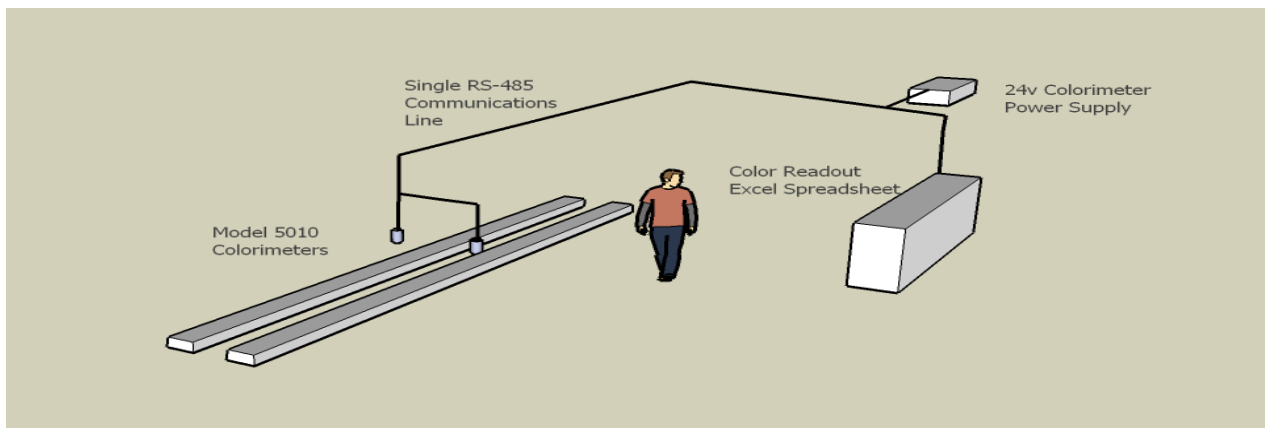
- The 5010 sensor in protective cage.
- TREND and PASS-FAIL Software.
- NEMA Low voltage power supply.
- A RS485 communications line. (4,000-ft range).

**Online Color 5010**

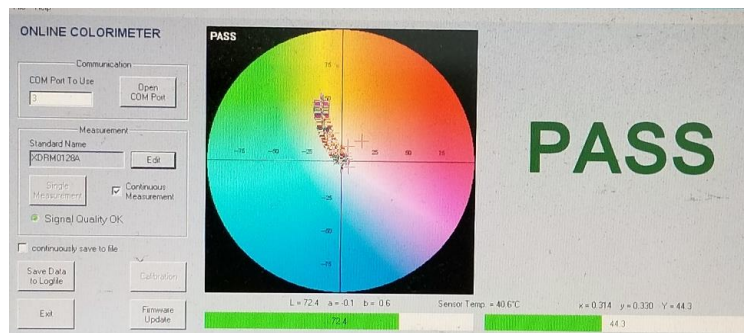
## SPECIFICATIONS

- Reads Specular component included (SCI).
- Illuminate "C" with 2° observer.
- 400-700nm visible range.
- Sensor to product distance 25mm to 70mm.
- Output CIE Lab, Trend and Tristimulus values.
- Long life LED illumination light source ~ 12 years.
- Operating range 10°C to 55°C (50°F to 130°F).
- Measurement spot 70 mm diameter.
- 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 4,000 ft.
- Air curtain keeps contaminants out of instrument.
- Stability 24 hours +/- 0.75 dE.
- Inter-instrument agreement better than +/-0.5 dE.
- Repeatability +/-0.5 dE on white calibration plate.

## TYPICAL INSTALLATION



TYPICAL INSTALLATION



PASS-FAIL SOFTWARE

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