

CIELab Color Checker PR0086-S

The system CIELAB Color Checker PR0086 is an on-line color-measuring system, adjusted to high absolute color accuracy.

A color adjustment by means of an absolute calibrated reference spectrometer is carried out in factory.

The absolute accuracy in average is ~1.6 dE. The relative accuracy also between the systems is less than +/-0.5 dE.



The system is extremely robust and therefore applicable in rough production environment. The system can easily be integrated in a production environment, it can be fixed using a M20 thread. Via an air supply constant measuring conditions can be assured even in adverse environments.

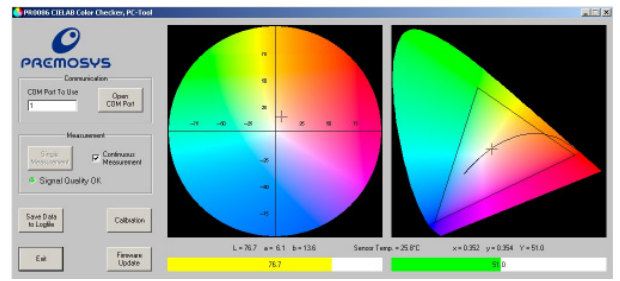


Technical data:

Power supply	24V DC	Measuring method	Differential measurement
Interface	RS 485	Output	WIN32-DLL
Absolute accuracy	~1.6 dE (in average)	Dust protection	CIELab, Chromaticity and
Relative accuracy	Less than +/-0.5 dE (among the systems)		Tristimulus via communication.
Optimum operating distance	70mm (CIELab)	Material	WIN32-DLL available
Measuring surface	70mm at an operating distance of 70mm		Air supply 2mm
Measuring rate	~10Hz		Stainless steel coated
Lighting	Integrated LED's		
Temperature compensation	10 to 55 degrees		

The scope of delivery includes a software tool for continuous displaying of the initial state of the current product. A Log-function for continuous data recording is also at hand. For integration of the systems into networks a WIN 32 DLL is additionally available.

The software is compatible with WIN98/WIN-NT/WIN-XP.



Dimensions

- Diameter top: app. 102mm +/- 1mm
 - Diameter bottom: app. 130mm +/- 1mm
 - Height: app. 190mm +/- 1mm
- Dimensions without connectors

Power supply

- 24V DC +/-5%; 0,5A

Weight: app. 1100g