

Computer Interface

COLOR ANALYZER

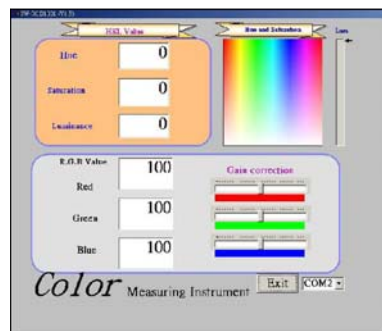
Model : RGB-1001

ISO-9001, CE, IEC1010



FEATURES

- * Portable color measuring instrument equipped with an external sensor probe having a 45° /0° color measuring geometry.
- * The modern, accurate microprocessor technology uses the spectral analysis method to determine the color of the sample.
- * For no lighting sample color measurement, a defined light source illuminates the sample and the reflected surface light is spectrometrically analyzed.
- * Via RS232 interface, connect to the computer (PC or note book computer), the friendly measurement from the computer monitor, easy to use.
- * Build in Cal button. self calibration.



Lutron

LUTRON ELECTRONIC

The Art of Measurement

COLOR MEASURING INSTRUMENT

Model : RGB-1001

FEATURES	
* The RGB-1001 is a portable color measuring instrument equipped with an external sensor probe having a 45° /0° color measuring geometry.	* For no lighting sample color measurement, a defined light source illuminates the sample and the reflected surface light is spectrometrically analyzed.
* The modern, accurate microprocessor technology uses the spectral analysis method to determine the color of the sample	* For lighting sample color measurement, the light source of sample is spectrometrically analyzed directly.
* Instrument except can measure the color of no lighting sample (textiles, paper, leathers...), also can measure the lighting sample color (such as CRT, LCD monitor, LED lamp, lighting lamp.....), very useful in the industrial application.	* Via RS232 interface, connect to the computer (PC or note book computer), the friendly measurement from the computer monitor, easy to use.
* Excellent repeatability due to spectroscopic analysis technique used.	* Build in Cal button, for no lighting sample measurement, use the included white color calibration card to make the self calibration easily.
	* Battery (006P DC 9V) battery operate.

APPLICATION	
* The objective quality control of color during production.	* The interpretation and statistic evaluation of color sample measurement.
* The color measurement and recording of products supplied by supplier to check for conformity specification.	* To check the color specification CRT monitor, LCD monitor.
* The comparison of color samples against color standard.	* To make the color measurement of LED lamp, light lamp color.

SPECIFICATIONS				
Measuring geometry	45° /0° - circular illumination at 45° , measurement at 0° .		Measurement sample material type	Type 1 : No lighting sample material : Such as textiles, paper, leathers... Type 2 : Lighting sample material : Such as CRT, LCD monitor, LED lamp, lighting lamp.....
Spectral range	400 nm to 700 nm.		Buttons	Test button (Operation button) Cal button (Calibration button) Light button * No lighting sample measurement, select the sensor light to on. * Lighting sample measurement, select the sensor light to off.
Light source	Two white LED lamp.			Calibration
Color Sensors	3 color photo transistors : <i>Red photo transistor</i> <i>Green photo transistor</i> <i>Blue photo transistor</i>		Computer interface	RS 232 PC serial interface.
Measurement	RGB value R (Red) value : 0 to 255. G (Green) value : 0 to 255. B (Blue) value : 0 to 255.		Operating Temp. and Humidity	0 °C to 50 °C (32 °F to 122 °F). Less than 80% RH.
	HSL value Hue value : 0 to 0.999. Saturation value : 0 to 0.999. Luminance value : 0 to 0.999.			
Repeatability and Accuracy	Repeatability	Accuracy	Power Supply	DC 9V battery, Alkaline type 006P, MN1604(PP3) or equivalent.
	R (Red)	<	Power Current	Approx. DC mA.
	G (Green)	<	Weight	216 g/0.48 LB.
	B (Blue)	<	Size	164 x 90 x 44 mm (6.5 x 3.5 x 1.7 inch)
	Hue	<	Accessories Included	Instruction manual..... 1 PC. Software, SW-RGB1001..... 1 PC. White color calibration card..... 1 PC. Carrying case, CA-06..... 1 PC.
	Saturation	<	Optional Accessories	RS232 to USB cable, 232USB-01
	Luminance	<		
	* Repeatability is specified under the same sample tested 10 times within two minutes. * Accuracy is specified under after the instrument is calibrated.			
Indicators	Low battery indicator Cal. indicator			

* Appearance and specifications listed in this brochure are subject to change without notice.

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