

RGB Color Analyzer With Hue, Saturation and Luminance Levels

Model H500

Anaheim Scientific's Model H500 is a color analyzer that measures the amount of Red, Blue and Green color present in a material. As well as the Hue, Saturation and Luminance levels of items such as paints, plastics, fabrics or almost any article for its RGB

Features:

- ◆ Portability for making measurements on the production floor or in the field
- ◆ Microprocessor technology for a spectral analysis method that allows excellent measurement repeatability
- ◆ Circular illumination of 45° / 0° for 45° measurement according to DIN 5033
- ◆ Battery operated and light in weight
- ◆ Ergonomic pistol grip probe
- ◆ Simple pushbutton front panel control
- ◆ Large easy-to-read digital display
- ◆ Measure RGB color levels from 0 up to 1023
- ◆ Determine Hue, Saturation and Luminance levels from 0 to 1.000
- ◆ Easy to use relative (REL) feature allows the comparison of two color samples
- ◆ Two year warranty



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Applications:

- ◆ Check color levels of Plastics, Textiles, Paper, Paints and Leathers
- ◆ Perform Quality Control in production and manufacturing
- ◆ Comparison of color samples against color standards
- ◆ Verify colors being received in Quality Management systems according to DIN EN ISO 9000
- ◆ Check reference color values of CRTs, LCD monitors and light lamps
- ◆ Determine absolute color values (the color position) or measure relative comparatives
 - Measure non-luminous surfaces for an absolute value
 - Measure luminous surfaces for relative values when testing between surfaces

Specifications:

Display LCD size	2.3 x 1.3" (59 x 34mm)
Measuring Geometry	45°/0° - Circular illumination at 45°, measurement at 0°
Spectral Range	400nm to 700nm
Light Source	Two white LEDs
Measuring Principle - For non light emitting sample measurements such as textiles or paper	A defined light source illuminates the sample and reflected surface light is spectrometrically analyzed.
Measuring Principle - For light emitting sample measurements such as CRT or LCD,	the light source from the sample is spectrometrically analyzed directly.
Color Sensors	Three color photo transistors. One for all three Red, Blue & Green colors.
RGB Value	R (Red) value : 0 to 1023
	B (Blue) value: 0 to 1023
	G (Green) value: 0 to 1023
HSL Value	H (Hue) value: 0 to 1.000
	S (Saturation) value: 0 to 1.000
	L (Luminance) value: 0 to 1.000
Dimensions	Main instrument: 8 x 3 x 1.5" (203 x 76 x 38mm) Sensor probe: 6.3 x 3.6 x 1.8" (160 x 92 x 45mm)
Weight	1.05 lb (478g)

Information and specifications are subject to change without notice