

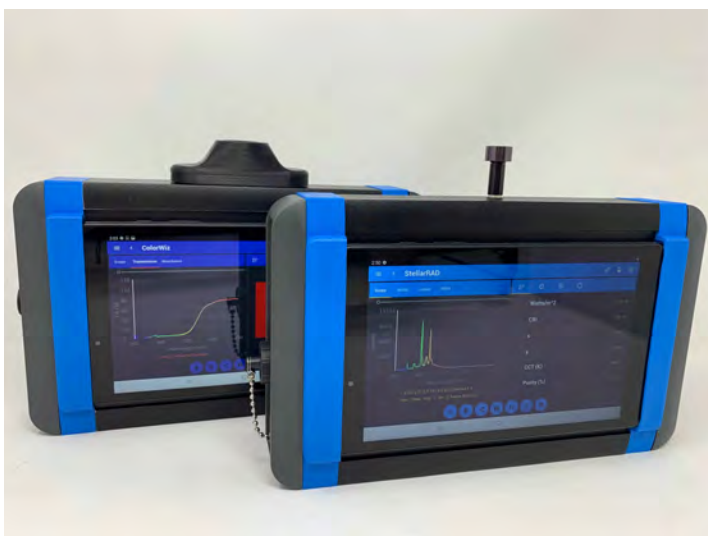
TECHNICAL SPECIFICATION SHEET

MINI RUGGED SPECTROMETER SYSTEMS

A UNIVERSE OF SPECTROMETER SYSTEMS

StellarRAD+Color Handheld Colorimeter: portable color analysis

StellarNet announces a new rugged, turn-key solution for portable color measurement. The **StellarRAD+Color** Handheld Colorimeter is an easy-to-use research grade spectrometer for field testing of color with no additional setup required.



Compared to other handheld colorimeters, the **StellarRAD+Color** utilizes a research-grade spectrometer with <1nm spectral resolution, making these instruments the first choice in reliable testing, field demonstrations, installations, R&D, and quality control.



Orange Color Analysis

R: 0.9
G: 0.41
B: 0.1

StellarRAD 
Handheld spectrometer + color



- Acquire full spectrum analysis and research-grade colorimetry of solids, liquids, and powders
- Measure real-time color parameters such as CIE L*a*b* and RGB with visual graph and color swatch
- Additional colorimetric analyses such as Chroma, Hue, Luminosity, SRM, Lovibond, and EBC
- Easily save a dE color reference and calculate color differences
- Save spectra, color metrics, and export as text data files, screenshots, and/or PDF report
- Integrated halogen lamp and reflectance adaptor
- Compatible with StellarNet accessories such as reflectance probe, lens, and probe tip for small or hard to reach spots

Specifications

StellarRAD+Color

Sensor: BLUE-Wave Spectrometer with 2k pixel detector	Optics: Research Grade Crossed Czerny Turner
Spectrometer Range: 350-1150nm	Wavelength Accuracy: <0.25nm
Integrated Light Source: Halogen	Color Accuracy: +/-0.001(reference standard lamp)
Reflectance Geometry: 45 degree	Tablet Specs: Android
Digitizer Resolution: 16bit	Software Included: ColorWiz App

StellarRAD+Color Color Measurement Applications

StellarRAD 
Handheld spectrometer + color

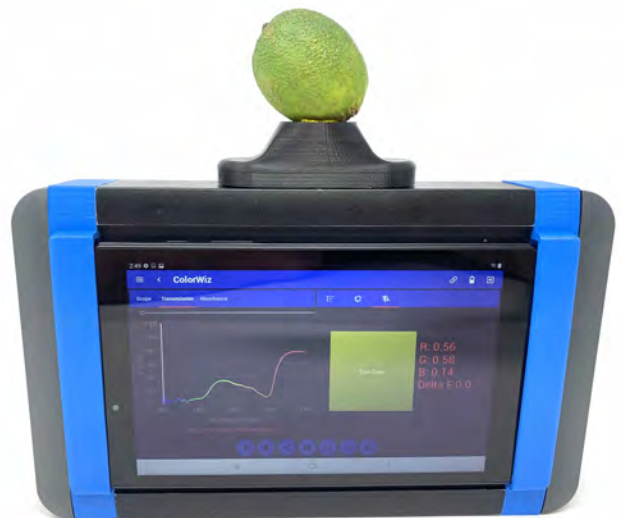


The **StellarRAD+Color** is great for QC of incoming products. We manufacture many of our products with vibrantly colored anodized metal enclosures. Our light sources are a bright gold and all incoming parts are tested to meet our color standard. With this QC process, all of our light sources will always have the same golden color. We use the StellarRAD+Color to measure the perfect gold sample. Then we can record its CIE L*a*b* color values and load the saved sample as a reference. Each incoming sample is tested against the reference and a dE (color difference value) is calculated. A dE greater than 3 is considered a different color.



Lemon Color Analysis

R: 0.93
G: 0.72
B: 0.16



Lime Color Analysis

R: 0.56
G: 0.58
B: 0.14

Additional Accessories include:

- Reflectance probe
- Dip probe for liquid measurement
- Lens for reflectance probe
- Reflectance probe holder block
- RTIP45 for reflectance probe

