



**Specifications:**

- USB 2.0 Full-Speed powered, fully portable with small laptop or netbook
- Software-driven with custom chromaticity "color" specifications for evaluation of SAE, FMVSS108, etc. pass/fail criteria
- Chromaticity Accuracy: +/- 0.002 x,y (@2856K), Repeatability: +/-0.0005 x,y
- Correlated Color Temperature Repeatability: +/-20K (@2856K)
- Luminance Repeatability: +/- 1% (@ 1000 cd/m<sup>2</sup> and 2856K), Range: 2 to 70,000 cd/m<sup>2</sup>
- Compact Size: 6" L x 2.5" W x 1.5" H
- N.I.S.T Traceable

The Spectro-100 is a compact, portable spectroradiometer capable of accurately measuring:

- Luminance, Radiance-License plate lamps, displays, wall surfaces, and screens
- Illuminance, Irradiance-Lamp intensity, working-surface illumination, light source output
- Chromaticity "x,y" and "u,v" coordinates— color chromaticity verification of filtered sources, automotive, aerospace lighting, commercial lighting, SSL, LEDs, etc.
- Correlated Color Temperature (CCT)
- Color Rendering Index (CRI)
- Pass/Fail Criteria for Luminance (Radiance) and Illuminance (Irradiance)
- Pass/Fail Criteria for Chromaticity in MacAdam Ellipses or Polygons, useful in LED Binning, Testing to Color Specifications, etc.
- Custom Software available for special applications