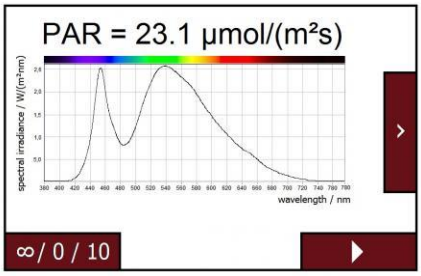
Gigahertz-Optik

Contact: Bob Angelo · 978-462-1818 ·
b.angelo@gigahertz-optik.com

New CSS-D Display Unit for CSS-45 Remote Spectral Detector

Allows the CSS-45 to display its light-color-spectral-PAR measurements

Gigahertz-Optik's CSS-45 Remote Spectral Detector can now be used with its new CSS-D display unit or operated by itself through PC connection under software control.



The CSS-45-WT waterproof version is well suited for PAR PPFD applications. The sensor's compact metal housing is IP62 rated (IP65 with optional splash proof glass dome fitted).

Gigahertz-Optik's CSS-D Display Unit provides convenient handheld operation and control of a remote CSS-45 spectroradiometer head for the precise measurement of spectral irradiance (360-830nm), comprehensive photometric and colorimetric data as well as application specific data such as PAR PPFD.

Typical applications include photometric and radiometric setups requiring remote positioning of single or multiple detectors. Use with positioning equipment, e.g.for mapping and profiling. Industrial monitoring, grow lights, blue light phototherapy, human centric lighting.

An internal shutter normally found in the most advanced spectrometers automates dark level measurements thereby facilitating accurate remote operation over extended periods.

The CSS-45 Remote Spectral Detector can be used directly connected to PC under its own supplied software control, connected to the CSS-D Display Unit as a self-contained light-color-PAR-spectral meter or CSS-D plus CSS-45 connected to PC using same software.

A software development kit SDK is available on option.

A four page datasheet with full technical specfiications and details is available on request or at CSS Datasheet

Key Components & Features

- Compact cabled sensor for remote measurement capability
- Internal shutter for auto dark level cancellation
- Compact, light-weight, battery powered & rechargeable
- Simple intuitive operation via color touch screen display
- Cosine field of view
- Spectral irradiance
- Photopic and scotopic illuminance
- Melanopic irradiance
- Melanopic illuminance (equivalent melanopic lux)
- Melanopic daylight equivalent illuminance
- Color temperature
- Color rendering indices
- Effective bilirubin irradiance measurement
- PAR measurement
- USB interface
- User configurable software – SDK option
- Traceable calibration & certification
- Spectral meter replacement for HCT-99D filter colorimeter
- Accessory kit

Gigahertz-Optik is a world class manufacturer of innovative UV-VIS-NIR optical radiation measurement instrumentation for specification critical industrial, medical and research applications.

Visit our website

gigahertz-optik inc | Bldg B - Ste 205, 110 Haverhill Road, Amesbury , MA 01913