

Sampling Accessories

Cosine Correctors

CC-Series Cosine Correctors

Ocean Optics Cosine Correctors couple to optical fibers and spectrometers for relative and absolute spectral intensity measurements, emission applications and evaluation of light sources.

When the CC-3 and CC-3-UV are screwed onto the end of an optical fiber, the cosine corrector and optical fiber become an irradiance probe. The probe couples to one of our spectrometers to measure the intensity of light normal to the probe surface. The CC-3-DA screws directly onto the SMA 905 Connector of our spectrometers, creating a complete spectroradiometric system and eliminating the need for an optical fiber.



Available Items	CC-3	CC-3-UV-S	CC-3-UV-T	CC-3-DA
Diffusing material:	Opaline glass	Spectralon	PTFE	Spectralon
Wavelength range:	350-1000 nm	200-1100 nm	200-1100 nm	200-1100 nm
Dimensions:	6.35 mm OD	6.35 mm OD	6.35 mm OD	12.7 mm OD
Field of View:	180°	180°	180°	180°

Power Supply and Controller for LEDs

The LED-PS Power Supply works with our spectrometers and the FOIS-1 Fiber Optic Integrating Sphere for spectroradiometric and color measurements of LEDs. The LED-PS unit has easy-to-reach electrical connectors for mounting LEDs that are 9.52-mm diameter or smaller with 2.77-mm lead spacing.

The LED-PS Power Supply provides three useful functions. The LED-PS holds the LED in place, powers the LED, and displays the LED's drive current. The drive current is adjustable, with a digital display to indicate the current level. Use the adjustable drive current feature to increase or decrease an LED's current up to 50 mA. With the LED-PS-NIST, the current meter is calibrated against a NIST-traceable standard.

Specifications	
Dimensions:	56.8 mm x 56.8 mm x 56 mm
Weight:	170 g
Power consumption:	Up to 100 mA @ 12 VDC; depends on setting
LED drive current:	12-50 mA with 0.1 mA resolution
Drive current accuracy:	± 1.0%
LED mount:	2.77 mm lead spacing, PTFE base

Available Items

Item	Description
LED-PS	Power Supply & Controller for LEDs
LED-PS-NIST	NIST-traceable Power Supply & Controller for LEDs
LED-PS-RECAL	Recalibration services for your LED-PS-NIST
FOIS-1	Fiber Optic Integrating Sphere

