

Laser Checker IR/UV Sensor Cards

LCP
SIRC/SUVC

RoHS

LCP

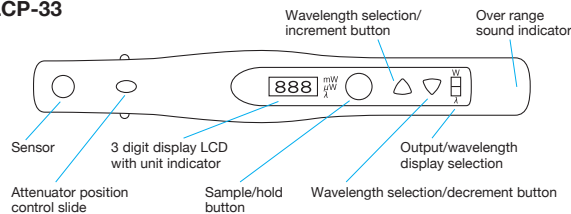
Catalog Code W5005

Compact and lightweight power meter for checking laser output that is small enough to fit into a pocket or tool kit.



- Press the Sample/Hold button to power on, center the laser beam on the sensor for two seconds or more while holding down the button. Release the button to see a measurement of the power.
- It will automatically power off after 10 seconds when a measurement is completed.
- Maximum power density is 30W/cm² when the built-in ND attenuator is used, and 0.5W/cm² when the attenuator is not used.
- Sensor disk is made of silicon and has an 8mm aperture.
- Battery life is 180,000 measurements at 12 sec/sample. The built-in lithium cell is not replaceable.
- As overload warning, "---" will be displayed on the LCD screen with beep tone.
- Microprocessor controlled with wavelength correction, auto-range (μ W or mW), attenuator, power overload warning, and auto-stop functions.

LCP-33



Attention

- ▶ Laser-shielding protective gear must be worn during use.

Specifications

Part Number	Wavelength [nm]	Power Range [W]	Outer Dimensions [mm]	Weight [kg]
LCP-33	400 - 1064	0.5 μ - 1	168x24x20	0.05

SIRC/SUVC

RoHS

Catalog Code W5006

Card-type sensor designed for optical-axis adjustment and verification.



- Active area on the card is coated with ET (Electron Trapping) material in powder form.
- Detection within one minute for light (especially 450 - 500nm) and the emission will continue for one minute.
- Laser damage threshold: 200 mW/cm² (reference value)
- SIRC-1 emits visible light when exposed to infrared light and can analyze the shape of infrared light and the intensity of incident beam. Effective for observation of the optical axis of LD and YAG lasers.
- The SUVC-1 emits visible light when exposed to ultraviolet light and can analyze the shape of ultraviolet light and the intensity of the incident beam. Extremely effective for observation of the optical axis.

Attention

- ▶ Laser-shielding protective gear must be worn during use.
- ▶ If used continuously in a darkroom, it might stop emitting, in which case, place it in natural light about one minute to cause excitation.
- ▶ Since ET material is sensitive to humidity, always store in a plastic bag with a desiccant after use.

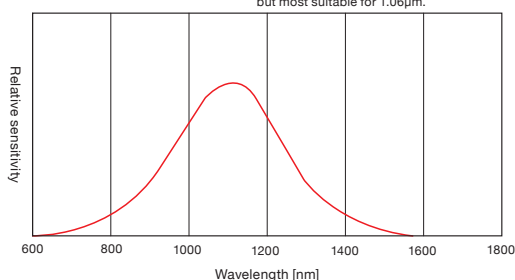
Specifications

Part Number	Active area Surface Dimensions [mm]	External Dimensions [mm]	Luminescence Color
SIRC-1	25x25	54x85 thickness 0.5	Orange
SUVC-1			Red

Wavelength Characteristic

SIRC-1

Usable in wavelength range of 0.7~1.6 μ m, but most suitable for 1.06 μ m.



SUVC-1

