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## Аксессуары FieldSpec

### Contact probe



The Optosky Contact Probe is designed for contact measurements of solid raw materials such as minerals, grains, other granular materials. Its innovative optical design minimizes measurement errors associated with stray light.

In addition to the standard contact probe, Optosky also offer the leaf clip.

All contact probes can be available with a field fiber, designed for applications that outdoor environment.

- Weight : 0.7kg
- Light Source : 20 W Halogen bulb
- 12 V adaptor
- Wavelength : 360nm-2500nm
- Size : 27cm\*6.5cm\*5cm
- Light source life : >2000h
- Halogen bulb color temperature : 3000K

### Reference panels



The reference panel is high stability and suitable for UV - VIS-NIR(200-2500nm) spectral range. The reflective wallpaper is up to 99%, the selection of imported PTFE material high stability processing molding, with waterproof function, and it will not drop powder and yellow. It combined with spectrometer and light source into a diffuse reflection measurement system, suitable for measuring the reflectivity of various samples, such as silicon wafer, ceramic, wool glass, plastic, etc

**Wavelength** : 200-2500nm

**Materials** : PTFE

**Dimension** : 10\*10cm

**Weight** : 75g

**reflectance**:30%, 60%, 95%, 99%(Optional cost is extra)

# Integration Sphere



An integrating sphere is an optical component consisting of a hollow spherical cavity with its interior covered with a diffuse white reflective coating, with small holes for entrance and exit ports. Its relevant property is a uniform scattering or diffusing effect. Light rays incident on any point on the inner surface are, by multiple scattering reflections, distributed equally to all other points. The effects of the original direction of light are minimized.

**Model:** Transmittance integrating ball

**Dimensions:** 53\*53\*51mm

**Material:** imported high quality F4

**Spectral range:** 200-2500nm

**Port:** 90° SMA905/FC port output

## Cosine lens



The cosine corrector is an optical element for spectral radiation sampling, used to collect radiation within 180° solid Angle, thereby eliminating the optical coupling problems caused by the geometric limitations of ray collection sampling in other sampling devices. Connected with optical fiber and spectrometer, used for relative and absolute spectral intensity measurement, emission spectrum measurement, as well as LED light source and laser light source analysis. Cc-uv cosine corrector with an effective area of 4.8mm, using imported PTFE material, can be used in the wavelength range of 200~2500nm. Cosine correctors can be connected to optical fibers with SMA connectors.

**Cosine:** CC-3

**length :** 6.35mm

**Wavelength:** 200-2500

**FOV :** 180°

**Interface :** SMA905

# FOV lens 25°



Field of view (FOV) is the open observable area a person can see through his or her eyes or via an optical device. FOV allows for coverage of an area rather than a single focused point. Wider FOV also provides better sensor coverage or accessibility for many other optical devices.

**FOV** : M12-25IR(5MP) 1°/5°/8°/10°/15°/25° optional

**Weight** : 5g

**Resolution** : 5 mega

**Focal lens** : 25mm

**Image Format** : 1/2"

**Aperture** : F2.4

**Mount** : M12

## Cuvette



The Cuvette is equipped with quartz collimating lenses, each of which is fitted with a fiber optic connector that connects to an optical fiber to read or illuminate the sample. When used with spectrometers and light sources, it can measure absorbance, fluorescence, scattering, or any combination of the above optical phenomena.

size : 57mm\*54mm\*55mm

Spectral range: 200-2500nm

Direct, scattering and fluorescence measurements

The internal passage can achieve the effect of temperature stabilization

Cap design, effectively avoid the impact of ambient light on detection

# Indoor Lighting



The light source adopts a halogen bulb of spectral level, with better filament packaging, ensuring the life of each halogen bulb and effectively reducing the frequency of bulb replacement. The halogen light source adopts a high-performance bulb imported from Osram, Germany. It has the characteristics of high light efficiency, small size, easy to control and better color temperature and color rendering, long life, few light decline, high output power rate, etc., which is widely used in traditional desktop type spectral instrument and on-site portable micro spectral instrument

**Wavelength :** VIS-NIR (360 nm-2500 nm)

**Light Source :** Halogen bulb

**Light source life :** >2000h

**Halogen bulb color temperature :** 3000K

# Field Fiber



The inner layer of the fiber optic connection line is a single wire steel ring wrapped in silicone and the outer layer is a Nomex woven fabric to reduce stress and provide protection. The end of the assembly is a metal ring ---- high precision SMA connector. BX components have a stainless steel outer shell.

Easy to clean

The cable is flexible and easy to operate in different positions ( not overstretch or crush the cable)

The sheath helps maintain the fiber optic cable from getting crimped or pinched, which can crush the fibers inside and result in loss of signal

# Charger



Used for charging , power supply

Port type: USB-A

Input parameters: 100-240V to 50/60Hz 0.5A

Output parameters: 5V-2.5A/9V-2A/12V-1.5A

## USB Wire



USB-C data cable adopts Type-C interface, which can arbitrarily inserted and removed regardless of positive or negative, with a wide range of applications and easy to deal with a variety of use scenarios

**Material:** TPE

**Port type:** USB-C

**Color:** White

**Length:** 100 cm

## Tripod



Our tripod combines high-quality materials, technological expertise, and innovation with superior design, catering to every style and type of spectrometer, and is ready to support people in every stage of their work.

Lightweight tripod with adjustable-height legs and feet

Compatible with a variety of spectrometers

Recommended max load weight is 6.6 lbs (3kg)

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