

OEM Compact Spectrograph CP-30

Description:

Designed for OEM applications, the OEM compact spectrograph CP30 is designed around an aberration-corrected type IV concave holographic grating with a 30 mm focal length and a f/1.7 aperture. It will fit into a small, hand-held, portable instrument, or can take the place of larger spectrographs when space is at a premium.



Advantages:

- Compact.
- Robust.
- Reliable.
- Low cost.
- OEM Product.



The CP30 can be equipped with Hamamatsu CMOS linear arrays ref: S8377 or S8378.

This detector can be driven with high performance electronics which provide a high dynamic range (up to 16 bits ADC with PGA), an internal flash RAM to store and treat a large quantity of spectrum, as well as triggers and different interface such as RS232, RS485, USB, Parallel (8 bits) SPI etc...

The optical input is a SMA connector or a ferrule with an integrated slit.

Different models of slits are offered depending on the resolution requested by the customer. The basic model is supplied with a slit of 100 μm width and 0.5 mm height.

The CP30 is sold specifically for quantity purchases and we can offer high volume customers custom modifications

Gratings & OEM Division

Performances:

- ❑ Flat field grating
- ❑ Focal length: 30 mm
- ❑ Spectral range: from 370 to 740 nm
- ❑ Aperture: f/1.7
- ❑ Dispersion: 65 nm/mm
- ❑ Input: Ferrule or SMA 905 connector

Performances:

- ❑ Resolution: < 5 nm FWHM
- ❑ Wavelength accuracy: < 1 nm (with a fit)
- ❑ Stray light: < 0.1% at 415 nm with RG630

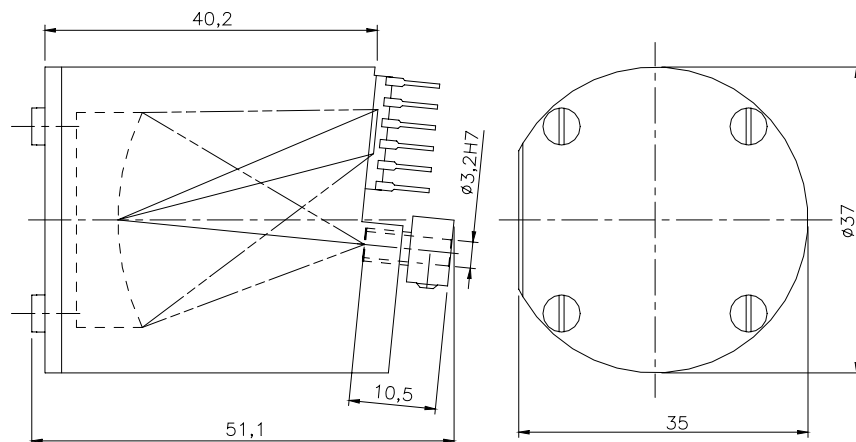
Options:

- ❑ Different slit sizes
- ❑ PDA detectors
- ❑ Electronic drivers RS232, USB, etc...

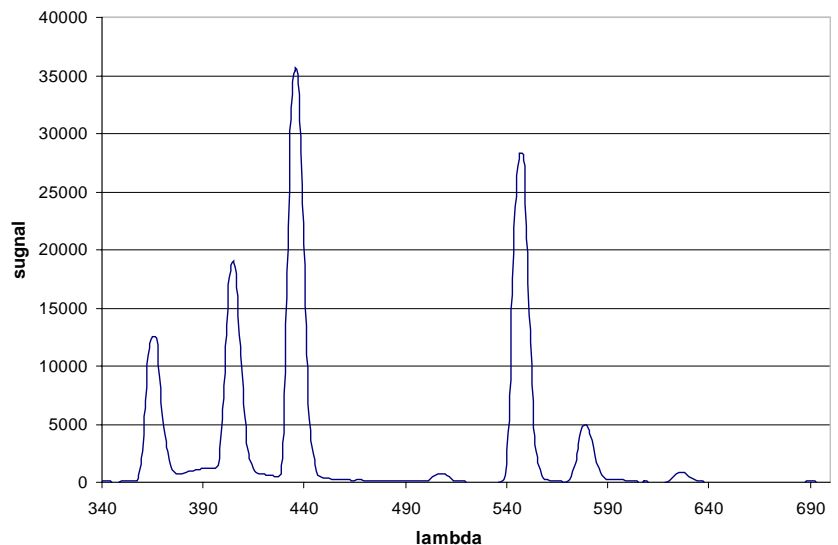
This instrument can be customized for a variety of OEM application.

Applications:

The main applications are color measurement, medical diagnostics, spectrophotometry, environment, clinical chemistry,...



Hg Spectrum from CP30 with 100 μ m core fiber



We are pleased to work with you to find a suitable solution to your requirements.

HORIBAJOBIN YVON

Find us at www.jobinyvon.com or telephone:

USA: +1-732-494-8660

France: +33 (0) 1 64 54 13 00

Japan: +81 (0) 3 3861 8231

Germany: +49 (0) 89 462317-0

UK: +44 (0) 20 8204 8142

Italy: +39 0 2 57603050

China: +86 (0) 10 6849 2216

Other Countries: +33 (0) 1 64 54 13 00

(All HORIBA Jobin Yvon companies were formerly known as Jobin Yvon)

Explore the future

HORIBA