

IndiGo – OEM HSS

Benchtop spectrometer

About Goyalab

Goyalab is a French SME that designs, develops, and markets measurement tools based on spectrometry. Moreover, it provides expertise in Research and Development, serving the industry in the development of specific applications in spectrometry.

Goyalab's philosophy is to develop powerful spectrometry tools that are easy to use, compact and affordable.

Goyalab wants to democratize spectrometry and make it accessible to all. Goyalab brings the lab to the sample!



With IndiGo OEM, spectroscopy made easy

IndiGo OEM High Spectral Sensitivity (HSS) version is a robust and compact benchtop spectrometer running on windows PC (USB-C connexion).

This new spectrometer allows the user to measure emission, absorption, or transmission spectra thanks to its easy-to-use software Spectrolab.

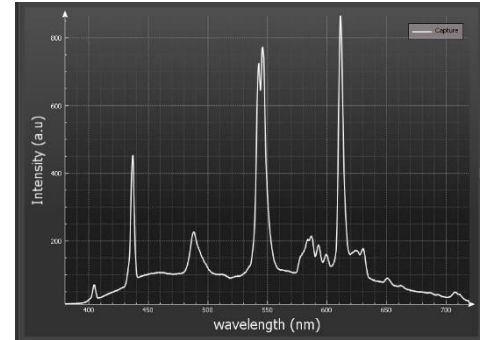
IndiGo OEM offers a wavelength range going from 380nm up to 780nm with a typical resolution below 1.5nm

IndiGo OEM embeds Goyalab patented optical transmission technology that offers high precision and compacity.



Features

- > Compact spectrometer
- > Plug-n-Play Interface for PC applications
- > USB-C connexion
- > SMA-905 connector
- > CE & TELEC certifications (FCC on-going)



Specifications

<i>PHYSICAL</i>	
Dimension	100 x 68.5 x 25 mm
Weight	350g

<i>SPECTROMETER</i>	
Sensor	CMOS Sony IMX334 pixel size: 2µm * 2µm * 1280 lines
Wavelength Range	380nm - 780nm
Spectral Resolution	<1.5nm (FWHM)
Slit (W x H)	25 µm x 3 mm
Grating	600 Lines/mm, 500 nm Blaze
Integration Time Range	1ms-24s (multi cycles acquisition available)
Dynamic Range	20000 :1
Signal to Noise Ratio	1000 :1

<i>SYSTEME CONFIGURATIONS</i>	
Data Format	.txt – .csv - .spc
Power	5V - 750mA

<i>ENVIRONMENTAL CONDITIONS</i>	
Temperature	0°C - 30°C operation & -10°C - 40°C Stockage
Humidity	0% - 90% noncondensing

<i>INTERFACES</i>	
USB	USB-C

<i>CALIBRATION</i>	
Wavelength	Made in factory with Hg / Ar low pressure lamp
Intensity	Available in option