INDIGO HANDHELD RANGE

IndiGo UV/Vis

Handheld modular visible spectrometer · 380–780 nm · ON Semiconductor sensor

The IndiGo UV/Vis is a 107 g modular spectrometer that measures emission, absorption, transmission and reflection spectra over the full visible range. Connected by Bluetooth to a smartphone or by USB-C to a PC, it brings laboratory resolution to the field. Snap-on modules turn the same core into a fibre spectrometer, a cuvette spectrophotometer, a light meter or a spectrocolorimeter.



380–780 nm	< 1.5 nm	107 g	10 h	BLE 5.0
Spectral range	Resolution (FWHM)	Weight	Battery life	+ USB-C

Key features

- Modular optical heads on a common core
- Bluetooth 5.0 and USB-C, battery or mains powered
- Emission measurement without any module
- SMA-905 fibre input for remote probes
- Factory wavelength calibration (Hg-Ar + Ne)
- Optional intensity calibration and GoCal self-calibration
- SpectroLab for Windows, Android app
- SpectroLink Python library

Configurations & accessories

Fibre input
SMA-905 input for fibres, probes and remote measurements.

IndiGo UV/Vis Transmission
Ready-to-use configuration for liquids: white LED absorption or UV-A fluorescence in 10 mm cuvettes.

GoLight & GoCal
Flat broadband light source for transmission, and automatic wavelength self-calibration.

Typical applications

Light sources & LEDs · Optical filter QC · Chemical analysis & OD600 · Colour of liquids · Fluorescence · Education

SPECTROMETER	
Spectral range	380 – 780 nm
Resolution (FWHM)	< 1.5 nm (25 µm slit)
Entrance slit	25 µm × 3 mm (70 µm and 150 µm options)
Grating	600 l/mm, 500 nm blaze
Sensor	ON Semiconductor MT9M001 · 1.3 MP monochrome front-side illuminated CMOS · 1280 × 1024 · 5.2 µm pixels
Integration time	1 ms – 24 s (multi-cycle)
Dynamic range	1000 : 1
Signal-to-noise ratio	400 : 1

CALIBRATION	
Wavelength	Factory, Hg-Ar low-pressure lamp + Ne lamp
Intensity	Optional
Self-calibration	GoCal module (optional)

ENVIRONMENT	
Operating temperature	0 – 30 °C
Storage temperature	–10 – 40 °C
Humidity	0 – 90 % non-condensing

POWER & DATA	
Battery	Li-polymer 1100 mAh 5C · 10 h operation · 24 h standby
Power supply	5 V · 750 mA (USB-C)
Connectivity	Bluetooth 5.0 Low Energy · USB-C
Data formats	.txt · .csv · .spc

SOFTWARE	
Windows software	SpectroLab – acquisition, processing, export
Mobile	Android app (Bluetooth)
Developers	SpectroLink Python library
Chemometrics	GoyaLab Expert & Capture (cloud, optional)

MECHANICAL	
Dimensions (core)	76 × 45 × 53 mm
Weight (core)	107 g
Optical input	SMA-905 (fibre adapter)

COMPLIANCE	
Certifications	CE · TELEC

Configurations available

Configuration	Module	Typical use
IndiGo UV/Vis base	SMA-905 fibre adapter	Emission, remote probes, filters with GoLight
IndiGo UV/Vis Transmission	Cuvette holder (white or UV-A LEDs)	Absorbance, OD, dyes, liquids
IndiGo UV/Vis HSS	Sony IMX334 sensor	Low-light measurements – see dedicated datasheet

Ordering information

AR00016 IndiGo UV/Vis, 380 – 780 nm, slit 25 µm as standard (FWHM < 1.5 nm)

AR00016-70 · AR00016-150 On request: slit 70 µm (FWHM < 5 nm) or 150 µm (FWHM < 10 nm) – please specify when ordering

AR00170 IndiGo UV/Vis Transmission – 10 mm cuvette holder, white or UV-A LEDs

AR00164 GoCal – automatic wavelength self-calibration module

AR00052 GoLight – flat broadband light source for filter testing

Part numbers for information – please confirm with GoyaLab when ordering.

Specifications are typical values and subject to change without notice. © 2026 GoyaLab SAS. All trademarks are the property of their respective owners.