

## **Technical specifications**

**Size:** 22.2 x 16.2 x 6.7 cm

 $(8.7 \times 6.8 \times 2.6 \text{ in})$ 

**Weight:** 2.2 kg

(4.9 lbs)

**Electrical:** 12V, 5A DC adapter

Portable rechargeable battery (>12 hrs continuous operation)

**Optics:** High throughput grating combined with scientific grade CCD detector

**Operating Temperature:**  $0^{\circ}\text{C} - 40^{\circ}\text{C}$ 

 $(32^{\circ}F - 104^{\circ}F)$ 

**Communications:** Data transfer USB 2.0 Type B connector

**Spectral Range:** 270 - 2000 cm<sup>-1</sup>

**Spectral Resolution:** 8 cm<sup>-1</sup>

**Laser Wavelength:** 785 nm

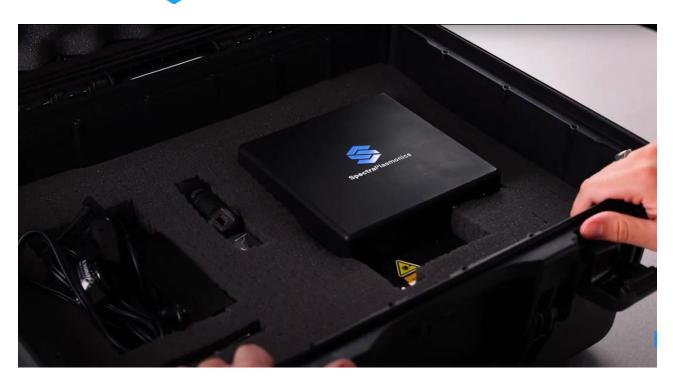
**Max Laser Power:** 450 mW

**Attachments:** Easy-to-exchange proprietary optomechanics adaptors for SERS-

enabled trace analysis and Raman bulk scans

**Libraries** Controlled substances and cutting agents for trace and bulk analysis

**Reach-back support** Advanced spectral analysis available from in-house scientists



## Included in the Amplifi ID™ setup package:

- Amplifi ID portable Raman spectrometer
- Custom transportable NANUK case
- Trace and Bulk scan sampling attachments
- Laser safety keys and interlock
- Laser safety cap
- Calibration kit
- Portable rechargeable battery
- USB connecter
- Power cords
- Windows laptop with communications software
- Automated spectral analysis app
- Basic dashboard software

## Find out more:

Website: https://www.spectraplasmonics.com/devices

Email: <u>info@spectraplasmonics.com</u>