



- Nano sized wearable Raman device with easy-to-use operation
- As work alone Raman or with many types of SERS substrates and SERS methods
- Full fingerprint coverage and high spectral resolution
- Provide perfect spectroscopic result with full pack
- Ultrafast and maximum sensitive acquisition



## Key Specifications:

|                       |                                                                                            |                                                                                                    |
|-----------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Model                 | Nano-LB™  | Belt-Wearable™  |
| Built-in Light Source | Laser                                                                                      |                                                                                                    |
| Probing Power         | ~ 80 mW                                                                                    |                                                                                                    |
| Spectral Range        | 300 – 2000 cm <sup>-1</sup>                                                                | 300 – 2500 cm <sup>-1</sup>                                                                        |
| Resolution            | 15-19 cm <sup>-1</sup> (Rayleigh criteria)                                                 |                                                                                                    |
| Dimensions            | ~ 63 mm x 39 mm x 17 mm                                                                    | ~ 70 mm x 56 mm x 27 mm                                                                            |
| Weight                | 63 grams (2.25 oz)                                                                         | 118 grams (4.2 oz)                                                                                 |
| Power                 | Built-in rechargeable battery; ≥ 3-5 working hours per charge                              |                                                                                                    |
| User Interface        | LightSpec App for Smartphones                                                              |                                                                                                    |
| Connectivity          | Bluetooth and USB 2.0                                                                      |                                                                                                    |
| Measurement Modes     | Easy-use Apps, fixed wavelength excitation and Fluorescence Reduction (FR) modes           |                                                                                                    |

TYPICAL APPLICATIONS: Detection of illicit drugs, pesticides, fertilizers, explosive materials, etc.

**BaySpec**, founded in 2000 with 100% manufacturing in San Jose, California, is a vertically integrated spectral sensing company. BaySpec brings the lab to the sample by designing and manufacturing advanced spectral instruments with an emphasis on light weight and low power consumption.

Our miniature UV-VIS-NIR-SWIR spectrometers, chemical sensors, hyperspectral imagers, portable mass spectrometers, and OEM spectral engines and components have been deployed in a wide range of markets such as Safety & Security, Food & Agriculture, Pharmaceuticals, Semiconductor, Healthcare, Telecommunications, and Research & Science.

Made in the U.S.A.



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