



- 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:

<b>Model</b>	Nano-LB™ 	Belt-Wearable™ 
<b>Built-in Light Source</b>	Laser	
<b>Probing Power</b>	~ 100 mW (for work alone Raman); 1-10 mW (adjustable for SERS)	
<b>Spectral Range</b>	400 – 2300 cm <sup>-1</sup>	350 – 2400 cm <sup>-1</sup>
<b>Resolution</b>	15-19 cm <sup>-1</sup> (Rayleigh criteria)	
<b>Dimensions</b>	~ 63 mm x 39 mm x 17 mm	~ 70 mm x 56 mm x 27 mm
<b>Weight</b>	63 grams (2.25 oz)	118 grams (4.2 oz)
<b>Power</b>	Built-in rechargeable battery; ≥ 6-8 working hours per charge	
<b>User Interface</b>	LightSpec App for Smartphones	
<b>Connectivity</b>	Bluetooth and USB 2.0	
<b>Measurement Modes</b>	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.



**BaySpec, Inc.**

1101 McKay Drive | San Jose, California, 95131 | USA  
 (408) 512-5928 | sales@bayspec.com | www.bayspec.com

All rights reserved. All BaySpec products are made in the USA