




- 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	≤ 100 mW (for work alone Raman); 1-5 mW (adjustable for SERS)	
Spectral Range	300 – 2000 cm ⁻¹	300 – 2500 cm ⁻¹
Resolution	15-19 cm ⁻¹ (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.



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