

SERS Reader - Smart Drug Sensor



SERS Reader - FR-2 Smart Drug Sensor

SERS Reader - Smart Drug Sensor



Have probable cause for a search warrant? Identify illicit drugs within seconds with the latest in photonics technology. BaySpec introduces the SERS Reader - Smart Drug Sensor product line...



Book with confidence!



Made in the U.S.A.



BaySpec, Inc.

1101 McKay Drive | San Jose, California, 95131 | USA  
(408) 512-5928 | [sales@bayspec.com](mailto:sales@bayspec.com) | [www.bayspec.com](http://www.bayspec.com)

## Key Specifications:

| Model                 | Nano-LB™  | Belt-Wearable-2™  |
|-----------------------|---|---|
|                       |            |  |
| Built-in Light Source | Laser   |   |
| Probing Power         | 0 - 10 mW / up to 80 - 100 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  | 118 grams   |
| Power                 | Built-in rechargeable battery; ~8 continuously working hours per charge                     |   |
| User Interface        | LightSpec App for Smartphone (iOS or Android, and PC)                                       |   |
| Connectivity          | Bluetooth, USB 2.0  |   |
| Measurement Modes     | Easy-access hardware buttons ergonomically arranged on device or through software interface |   |

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