

# Breeze™ – The Smartest Palm Chemical Analyzer

BaySpec introduces Breeze™, the world's first and smallest smart palm chemical analyzer in the 400 – 1700 nm range. The Breeze™ Chemical Analyzer is highly efficient, ultra-sensitive, compact, and fast. For the first time, a smart device delivers laboratory performance in a palm form.

The Breeze™ comes fully loaded with integrated light source, probing optics, and spectrometer. The analyzer may be outfitted with a narrow linewidth laser or a broadband light source. The device connects wirelessly to any smartphone via Bluetooth interface. BaySpec's LightSpec phone app allows users to setup their own spectral databases for sample analysis. By referencing spectral data from the library, this palm device can perform quantitative and qualitative analysis at anytime and anywhere for plants, plastics, illicit drugs, pharmaceuticals, explosives, biological warfare agents, medicine, food, and any other material. Fast. Accurate. Simple. Breeze.



## Key Specifications

Light Source	Broadband light source or narrow linewidth laser
Wavelength Range	400 – 1000 nm or 900 – 1700 nm
Integration Time	Automatic or user adjustable (10 ms - 10 s)
Power	Rechargeable Li-ion battery, $\geq 2$ continuous working hours per charge
Physical Dimensions	~ 29 mm x 53 mm x 98 mm
Weight	~ 135 grams
Operating Environment	-20 to 45 °C
Operating Software	LightSpec app for smartphone (iOS or Android) or LightSpec program for PC (Windows 7 or later)
Connectivity	Through Bluetooth with Smartphone, or USB 2.0 with PC
Measurement Modes	Easy-access hardware buttons ergonomically arranged on device or through software interface

## Key Applications



## About BaySpec

BaySpec, Inc., founded in 1999 with 100% manufacturing in USA, is a Silicon Valley-based spectral sensing company. BaySpec designs, manufactures, and markets advanced spectral instruments, including smart handheld spectrometers, a new class of OCI™ hyperspectral imagers, novel transportable mass spectrometers, high performance UV-VIS-NIR-SWIR spectrometers, and OEM spectral engines and components for precision agriculture, R&D, biomedical, pharmaceuticals, chemicals, food, semiconductors, health monitoring, and the optical telecommunications industries.

