



Big Sur Scientific LLC

Bringing Science to the Art of Cannabis

BSS 2000 Cannabis Analyzer

Measure Potencies Yourself When and Where You Want!



- **Works on** – Buds, extracts, oils, shatter, resin, rosin, sugar, and waxes
- **Small and Lightweight** – Measure potencies yourself when and where you want.
- **Fast** - Results in under 2 minutes.
- **Easy** - Push button operation, anyone can do potency testing!
- **No Sample Preparation** – no dissolving or grinding samples, analyze as is.
- **Accurate** – Potency accuracies to better than ± 2 weight %.
- **Little Sample Sacrifice** – only a few milligrams of sample are used, no need to sacrifice grams of your valuable product.
- **Save Time and Money** – No need to send samples to outside labs for slow and expensive analysis. Do it yourself and get immediate results!
- **Pre-calibrated** – Works right out of the box.
- **Representative Results** – easily analyze multiple samples from a batch or grow, getting a truly representative picture of your product or process.

Here is how the Cannabis Industry Uses the BSS 2000 Cannabis Analyzer

- ✓ **Extractors** – Measure oil potency for increased quality and better process control.
- ✓ **Growers** – Measure bud potency to optimize harvest time and growing conditions.
- ✓ **Dispensaries** – Know exactly what you are buying, analyze at point of sale for your customers, and track shelf life. *Extracts lose potency quickly, see our Application Note.*
- ✓ **Buyers/Brokers** – Analyze onsite to set the right purchase price.

How it Works

The BSS 2000 uses mid-infrared light to analyze samples, giving higher sensitivity and the ability to distinguish THCA from THC. A sophisticated mathematical algorithm, Partial Least Squares, compensates for the sample matrix, allowing the BSS 2000 to determine potency in samples without sample preparation.

Specifications

Sample Types	Buds, oils, extracts, shatter, resin, rosin, sugar, & wax
Cannabinoids Quantitated	THCA, THC, CBN, Total CBD
Technique	Mid-Infrared
Algorithm	Partial Least Squares
Accuracy	Better than ± 2 weight percent
Weight	3 lbs
Dimensions	6" x 3.25" x 6"
Power	110 V AC
Software	Big Sur Scientific Cannabis Analyzer Software running on Microsoft Surface Pro Tablet computer (included). Windows 10 operating system.
Sample Preparation	None
Sample Size	5-10 milligrams