

# PURPL PRO

INSTANT CANNABIS POTENCY MEASUREMENT

The Purpl PRO is a hand-held solution that turns the user's smartphone into a robust potency measurement system.

Purpl PRO is the flagship product offering by Purpl Scientific, and the first affordable, accurate, portable potency measurement device for the cannabis industry. It is a combination of a "laboratory bench" device the size of a hockey puck and a mobile App that allows users to run the system through a smartphone.

Purpl PRO utilizes near-infrared spectroscopy, which involves shining light on the sample and analyzing the light that is returned. In this part of the light spectrum (just beyond the red light human eyes can see) molecules react to specific regions of the light to generate a "molecular fingerprint" that can be correlated with concentration. The Purpl PRO was calibrated against HPLC measurements from multiple state-certified testing laboratories.

The information below is for the Purpl PRO Bench.



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<b>What is Measured</b>	THC, CBD moisture (upcoming) water activity (upcoming)
<b>Technology</b>	NIR
<b>Portability</b>	Handheld
<b>Dimensions</b>	3.125" x 3.125" x 1.125"   8 cm x 8 cm x 3 cm
<b>Weight</b>	0.35 lbs   160 Gramm
<b>Accuracy</b>	THC +/- 1.89%; CBD +/- 0.96%
<b>Min. Detection Threshold</b>	>= 2.0% (THC, CBD)
<b>Max. Detection Threshold</b>	30% THC, 15% CBD
<b>Sample Preparation</b>	Grinding
<b>Time / Test</b>	5 seconds
<b>Internal: Light Source</b>	Tungsten bulb (x2)
<b>Internal: Bulb Lifetime</b>	>40,000 hours
<b>Internal: Battery Life</b>	~ 300 measurements per charge
<b>Operating Temperature</b>	50 to 122 F (10 to 50 C)
<b>Charging Temperature</b>	32 to 113 F (0 to 45 C)
<b>Storage Temperature</b>	23 to 95 F (-5 to 35 C)
<b>Max. Relative Humidity</b>	80% for temperatures up to 88 F (31 C), decreasing linearly to 50% at 104 F (40 C)
<b>Ingress Protection</b>	IP54
<b>Warranty</b>	1 year on PurplPRO Bench; 30 days on Kit Accessories
<b>System Cost</b>	\$1,645

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purplscientific.com

# PURPL PRO DATASHEET

## THE PURPL PRO KIT

### What is Included

Purpl PRO Bench, Sample Holder and Cap, Grinder and Funnel, Calibration Cartridge, Cleaning Brush, USB cable, Quick Start Guide, Hardshell Case (IP67)

### Retail Box Dimensions

12" x 9" x 5" | 30.5 cm x 23 cm x 13 cm

### Retail Box Weight

6.6 lbs | 3 kg

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## CONNECTIVITY

### Phone Requirements

Apple iOS version 11.0 and later;  
Android version 5.0 and later

### Network Connectivity

Wifi or Network Data Connection Required

### Phone Connectivity

Bluetooth (BLE)

