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.

THIS IS THE **BENCH**

What is Measured	THC, CBD *moisture, water activity, more*
Technology	NIR
Portability	Handheld
Dimensions	3.125" x 3.125" x 1.125" 8.2 cm x 8.2 cm x 2.7 cm
Weight	0.35 lbs | 160 Gramm
Accuracy	THC +/- 1.89%; CBD +/- 0.96%
Min. Detection Threshold	>= 2.0% (THC, CBD)
Max. Detection Threshold	30% THC, 15% CBD
Sample Preparation	Grinding
Time / Test	5 seconds
Internal: Light Source	Tungsten bulb (x2)
Internal: Bulb Lifetime	>40,000 hours
Internal: Battery Life	~ 300 measurements per charge
Operating Temperature	50 to 122 F (10 to 50 °C)
Charging Temperature	32 to 113 F (0 to 45 °C)
Storage Temperature	23 to 140 F (-5 to 60 °C)
Max. Relative Humidity	80% for temperatures up to 88 F (31 °C), decreasing linearly to 50% at 104 F (40 °C)
Ingress Protection	IP54
Warranty	1 year on PurplPRO Bench; 30 days on Kit Accessories

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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
10.2" x 9.6" x 4.6" \| 25.8 cm x 24.3 cm x 11.8 cm

Retail Box Weight
4.4 lbs \| 2 kg

THIS IS THE **KIT**

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)