

# NanoRAM

HANDHELD RAMAN SPECTROMETER

NON-DESTRUCTIVE MATERIAL  
IDENTIFICATION AND  
VERIFICATION

MEET GMP AND PIC/S REGULARITY REQUIREMENTS  
OF 100% INCOMING RAW MATERIAL TESTING  
ENSURE PRODUCT SAFETY AND REDUCE RISKS OF  
CONTAMINATION, REDUCE TESTING TIME



Laboratory Performance in  
the Palm of Your Hand

21 CFR Part 11 Compliant

IP-64 Dust Tight and  
Splash Proof Housing

Intuitive Software for  
Technical and  
Non-Technical Users

Robust Algorithms  
Including Mixture Analysis

Sampling Accessories for Almost  
Any Sample Form

Wi-Fi and Ethernet  
Communication for Data  
Sync and Reporting

High-Brightness Touch Screen Display

**BWTEK**  
Your Spectroscopy Partner

SPECTROMETERS | LASERS | TOTAL SOLUTIONS

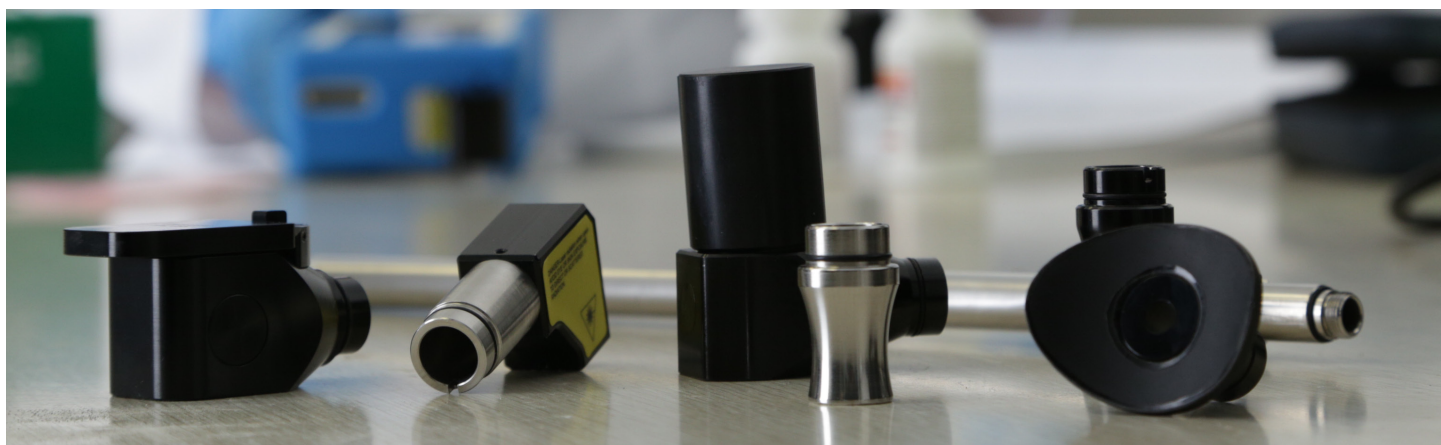
Learn more!

+1-302-368-7824

[www.bwtek.com](http://www.bwtek.com)

## Specifications:

Excitation Wavelength	785 nm
Laser Output Power	300 mW Max Adjustable in 10% Increments
Spectral Range	176 cm <sup>-1</sup> to 2900 cm <sup>-1</sup>
Spectral Resolution	~ 9 cm <sup>-1</sup> @ 912 nm
Detector Type	TE Cooled Linear CCD Array
Display	High Brightness and High Resolution OLED Touch Screen
Barcode Reader	Linear and 2D Standards
Software	NanoRam® OS (Embedded), NanoRam® ID (PC)
Data Formats	.txt, .csv, .spc, .pdf
Connectivity	Ethernet, Wi-Fi
Battery	Rechargeable Li-ion, >5 hrs Operation
AC Adapter	Output: DC 12V, 2A Minimum
Weight	~2.5 lbs (~1.2 kg)
Size	8.8 in x 3.9 in x 2.0 in (22 cm x 10 cm x 5 cm)
Storage Temperature	-30°C to +60°C



## Accessories:

Point and Shoot  
Vial Holder  
Bottle Adapter

Right Angle  
Tablet Holder  
Immersion Probe