

NanoRam® Product Line

Handheld Raman for Raw Material Identification and Verification



System:	NanoRam®	NanoRam®-1064
Part #	840000341	840000953
Model #	BWS456-785	BWS456-1064
Laser Excitation / Power	785nm / 300mW at 100% , adjustable in 10% increments	1064 nm / 420 +/- 30 mW at 100%, adjustable in 10% increments
Spectral Range / Resolution	176 - 2900 cm ⁻¹ / ~9 cm ⁻¹ @ 912nm	176 to 2500 cm ⁻¹ / ~11 cm ⁻¹ @ 1296nm
Detection	TE-Cooled Linear CCD Array	TE-Cooled InGaAs Array
Standard Accessories	Point & shoot, liquid vial holder, bottle adaptor, immersion probe, polystyrene validation cap	Point & shoot, liquid vial holder, polystyrene validation cap, immersion probe, bottle adaptor, right angle adaptor
Optional Accessories	Tablet holder, right angle adaptor, shoulder bag	Large spot adaptor, large bottle adaptor, shoulder bag
Power Adaptor	Rechargeable Li-ion battery, >5 hrs operation	Rechargeable Li-ion, >4 hrs continuous operation or CR123 battery option
Libraries	USP library included	
Barcode & Camera	Linear and 2D standards barcode reader	Camera, 1D and 2D standards
Compliance	21 CFR Part 11 Compliant / IP64 Rated	21 CFR Part 11 Compliant / IP65 Rated
Operation Modes	Investigation Mode: "Match / No Match" (HQI) Identification Mode: "Pass / Fail" (p-value) Mixture Analysis	Investigation Mode: "Match / No Match" (HQI) Identification Mode: "Pass / Fail" (statistical p-value) Mixture Analysis

Services Available from Local Dealer:

- Library Building
- Method Development
- User Training
- Annual Performance Validations
- Customer Site Application Support
- SOP Templates and Development