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Cloudminds XI Cloud based Raman Spectrometer Specifications

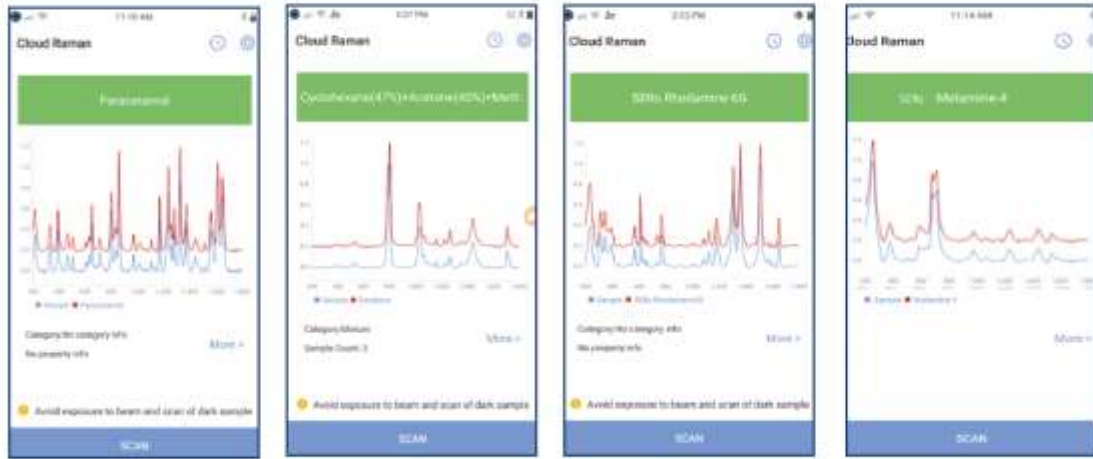
<https://shop.spectrecoology.com/product/xi-raman-the-worlds-first-hand-held-cloud-based-raman-spectrometer/>

	Spectrometer
Excitation	785nm laser
Laser Power out	up to 500mW. Adjustable
Spectral Range	200 - 1800 cm ⁻¹
Spectral resolution	8-11 cm ⁻¹
Spectrograph	f/2
Integration Time	automatic
Sample Analysis Time	3 sec (typical)
Dimensions (cm)	15.9 x 7.9 x 2.7
Weight	410 g, 510g with rugged case
Operating Temperature	-10C - +50C
	Smart Phone & Cloud Data
Operating Platform	Embedded Smart Phone Operation
Operating Software	Smart phone Apps (Android)
Network Connection	Wifi, Bluetooth, 4G-LTE
Data analysis	local, cloud based with deep learning algorithm
Cloud based Databases	Basic, expansion & personal databases
Device based databases	Basic, expansion, expansion, personal, logged out self-created
Synching	cloud & local expansion, personal databases synched in real time
Spectral Libraries	standard factory and user custom built
RGB camera	8 or 16 MP
Data Port	USB 2.0
Battery	5700 mAh
Location	GPS
	Cloud Data Management
Device	Event, location, results logging, reporting
User	Password authentication, role based access

Cloud

Multi-tenant, Virtual Private Cloud

Fast Cloud Data Analysis



Speedy Detection

Mixture Analysis With Ratios

Trace Analysis with SERs

Melanin Detection with SERs

