
Cloudminds XI Cloud based Raman Spectrometer Specifications

	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



Spectrecoology LLC
8719 Orient Way NE
St. Petersburg, FL 33702
727.230.1697
866.929.7990 fax

info@SpectrEcology.com
www.SpectrEcology.com
