

4G Handheld Raman Analyzer

ATR6500

Features:

- Non-Destructive, Fast Detect & Identify, One-touch Operation;
- Advanced algorithm, mixture detection;
- HD 5.5" capacitive touch screen, smooth operation system;
- double cameras of 13-mega plus 8-mega;
- Barcode & QR scan
- Precision GPS positioning;
- Multiple modes of 4G, GPS, GPRS, Bluetooth, WIFI
- Self-Built Spectral Library
- Test results report export pdf
- Built-in Li battery continuous operation 4-6hrs
- Lightweight (450g) , easy-to-take
- IP-67 compliant

Application:

- Public Safety; Food Safety;
- Hazardous detect at High Speed Train, Metro Entrance
- APIs ,Pharmaceutical raw materials, excipients;
- Gemstones & Materials ID, Mineral sorting
- Experimental Research;
- Antique authentication;
- Minerals Sorting;

Description:

ATR6500 is upgraded on the basis of handRam, and not only reserve the advantages of super thin, ultra-light, fast ID, but also make it rechargeable battery for field detection extending battery life. The toxic and hazardous gases alarm and readout altitude sensor.

Excellent spectral identification algorithm are embedded in Handheld Raman spectrometers to easily identify substance, and enable users to add their own spectral data. It employs Android system, simple interface, 5.5" high definition screen, double cameras of 13-mega plus 8-mega taking evidence pictures in the field, multiple modes of inbuilt WIFI, Bluetooth, GPS etc.

Optosky provides full technical support and services, including spectral library building, method & verification, IQ/OQ/PQ validation etc.

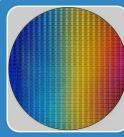
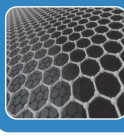
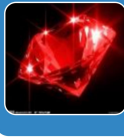
Intelligent Mobile Available in Your Palm!



1 Performance

ATR6500 System Parameters			
Operative System	Android		
Excitation Wavelength	785 ± 0.5nm		
Wavenumber Range	200-4000 cm ⁻¹ or 100~3900cm ⁻¹		
Resolution	7 cm ⁻¹		
Touch Screen	5.5", 1920×1080 , Multi-Touch		
Size	172×85×30 mm		
Weight	450g		
Interface	WIFI, USB Type-C, Bluetooth, GSM		
Model with Library	Model	Spectrum Library	Application
	ATR6500	Self-Built Database	Scientific Research
	ATR6500DH	Pharmaceutical drugs:Heroin, Cocaine, Metamfetamine, Ketamin... Precursor: (-)-ephedrine, Chloroform, Diethyl ether... Explosives: TNT,RDX,TATP, Ammonium nitrate Hazmat: sulfate, gasoline, nitric acid, Toluene Food safety: Illegal food additives, residues of pesticide,veterinary drugs	Police Customs Metro Court Prison Public Safety
	ATR6500PH	Pharmaceutical raw materials, APIs, excipients ...	Pharmaceutical Factory
	ATR6500GM	Gemstones of Diamond, Agate, Emerald...	Gemstones
	ATR6500IN	Chemical products, Plastics, Rubber, Polymer, Compound..	Industrial Application
Export Report	Reports format pdf, csv, txt of detect results, spectra, evident pictures		
Battery	replaceable battery for unlimited battery life , standby times >72 hrs;		
Charging Type	USB Type-C		
Operating Temperature	-20 – 50 °C		

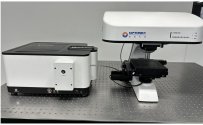
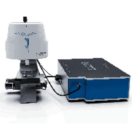
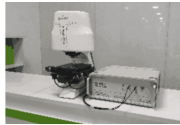
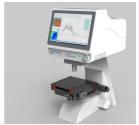
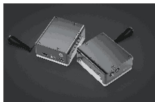
2 Applications

 Biochemical Industry • Cancer diagnosis • Non-invasive blood sugar • Cell	 Pharmaceutical Science • Drugs QC • Online Inspection	 Semiconductor • Defect • Fake
 Public Safety • Narcotics • Explosives	 Material Science • 2D materials • Graphene	 Energy • Li-battery materials
 Food Safety • Oil • Pest residues • Food additives	 Gemstones • Diamond • Origin	 Cultural Relic

3 Optosky Raman Technology Milestones



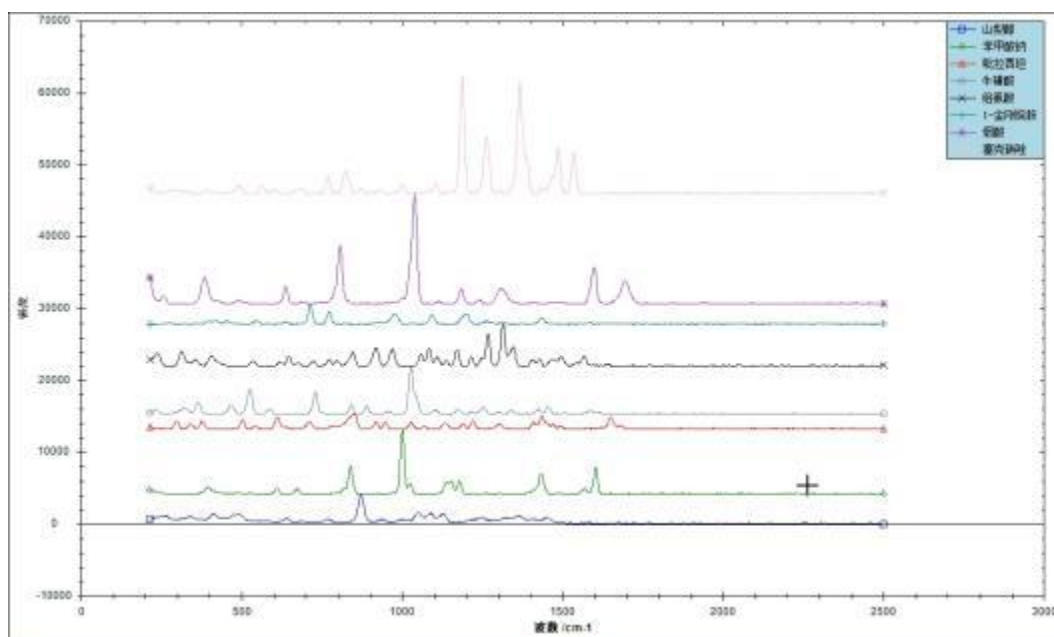
4 Raman Spectrometers Family

 Confocal Raman Microscope ATR8800	 Detachable Confocal Raman Microscope ATR8700	 Compact Confocal Raman Microscope ATR8600	 Raman Microscope ATR8500	 High-Res. Raman Microscope ATR8300Pro	 Raman Microscope ATR8300	 Raman Microscope ATR8100	Microscope					
 Dual-band Raman Analyzer ATR3200 / ATR3220								 Multi-band Raman ATR3380 Series	 Benchtop Raman ATR3110	 Portable Raman ATR3000	 SERDS Raman ATR3020	Benchtop
 785nm Handheld Raman ID ATR6500								 785nm Handheld Raman ID (Replaceable Battery) ATR6500CH	 532nm Handheld Raman ID ATR6500-532	 1064nm Handheld Raman ID ATR6600	 Fastest 1064nm Handheld Raman ID ATR6600Pro	Handheld
 Mini Raman ID ATR1600								 Mini Handheld Raman ID ATR6100	 Compact Raman ID ATR2500	 Raman Teaching ATR1200	 Underwater Raman ATR3700	Exclusive

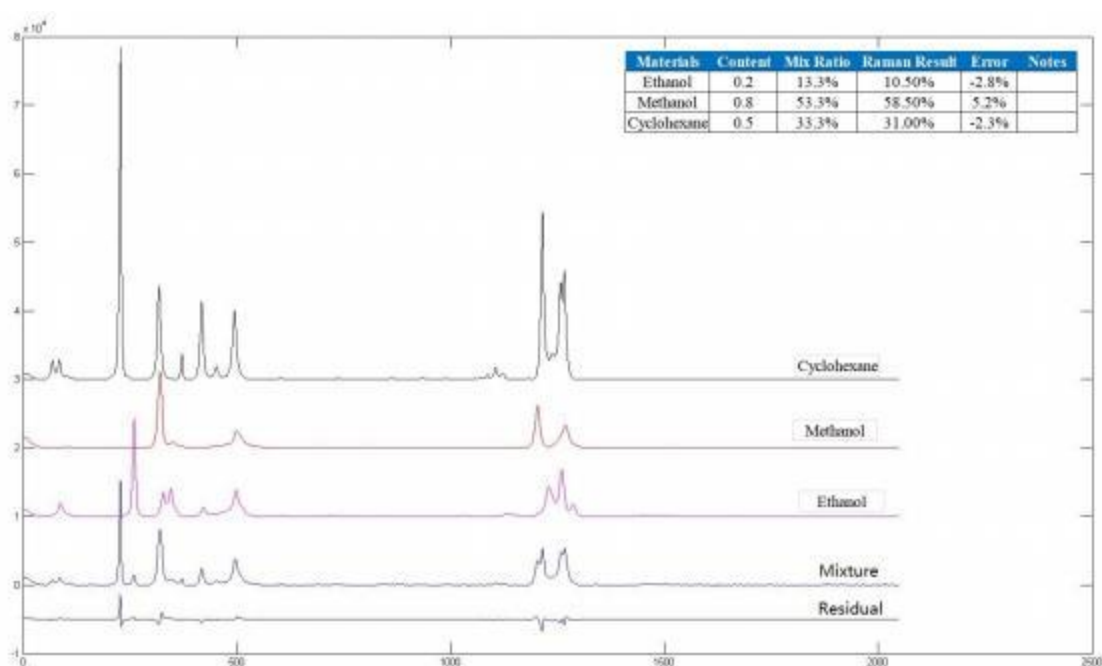
Features:

- Top Raman spectrometer brand
- The widest Raman series
- The miniature Raman device
- Fastest 1064 Handheld Raman

5 ATR6500 Spectra Example



4 ATR6500 measured Spectra of Sorbitol, Sodium Benzoate, Piracetam, Taurine, Histidine, Amantadine, Niacin, Secnidazole



5 ATR6500 Mixture Spectra

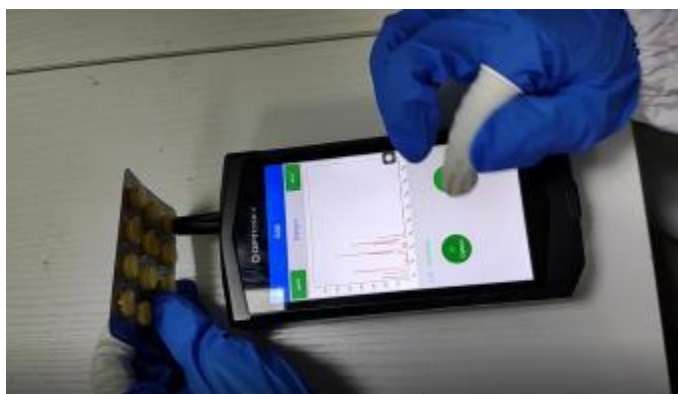
6 ATR6500 Field Pictures



6 ATR6500 pictures of narcotics ID in police station



7 ATR6500 ceramics ID



8 ATR6500 Pharmaceutical ID